

# **Electrical Engineers**

## MARIA ABDELMALAK

12628 Pacific Ave Apt 2  
Los Angeles, CA 90066  
(310) 431-6123  
[maria@ece.ucsb.edu](mailto:maria@ece.ucsb.edu)

**OBJECTIVE** A full time position in Electrical Engineering where my proven abilities in creative problem solving, organization, communication and follow through can be utilized; to provide excellent products within time constraints.

**EDUCATION** University of California, Santa Barbara  
Master of Science, Major in Signal and Image Processing.  
Graduation: 12/2003  
GPA: 3.91

University of California, Los Angeles  
Bachelor of Science, Electrical Engineering.  
Xerox Leadership Through Quality Training

**COURSEWORK** Digital Signal Compression, Optimal Estimation and Filtering, Advanced Digital Signal Processing, Adaptive Filter Theory, Multirate Digital Signal Processing, Matrix Analysis and Computation.

**TECHNICAL SKILLS** Programming Languages: Matlab 6.5, Verilog-A.  
Operating Systems: MS Office including Word, Excel and Power Point.  
Other tools: Cadence Analog-Artist, Lotus Notes, Scanning Electron Microscope.

**EXPERIENCE** Qualcomm Incorporated, San Diego, CA Summer 2003  
Working in Qualcomm CDMA technologies FA group to create symbol files in order to build a symbol library for an MSM6100 chip using a CAD type tool. Work on a scan register bench setup test to verify the performance of the registers inside the MSM6500 chip.

University Of CA, Santa Barbara Fall 2002 - present  
**Teaching Assistant:** Engineering 5A, 5B, 5C

Qualcomm Incorporated, San Diego, CA Summer 2002  
Characterize Reactive Ion Etcher for optimal deprocessing recipes for various semiconductor technologies. As a result of the characterization QCT FA group bought a new Trion RIE.

IBM, San Jose, CA Summer 2001  
Arm Electronics Development, Summer Intern  
Developed Verilog-A files for hardware components, running simulations using Cadence to test chips designed by the IBM Arm Electronics Development.

Xerox-El Segundo, CA Summer 2000  
Hardware/Software, Engineer Intern  
Added new C files to Spy Program, a debug tool used to monitor serial communications between the ESS (print controller) and the UI (display panel) for Document Center.

IBM, San Jose, CA Summer 1999  
Software/Hardware, Test Engineer  
Installed CPI Cards and Drawers on the IBM Enterprise Storage Server (ESS). Updated SMIT Stanza code and created help messages files.

**HONORS** GEM Scholarship: Full tuition and expenses paid by Qualcomm for MS degree.  
2002 National Science Foundation Scholarship. 2001-02 Raytheon Scholarship.  
2000-01 Qualcomm Award Scholarship. 1999-00 Verizon scholarships for academic excellence

**PROFESSIONAL ORGANIZATIONS** Member of Society of Women Engineers (SWE).  
UCLA CEED Alumni

**PERSONAL** U.S. Citizen

42 HAMMOND ST. • SEEKONK, MA 02771  
PHONE: (518) 229-7863 • E-MAIL: ADLERR@RPI.EDU

## RUTH ADLER

### OBJECTIVE

My objective is to attain a summer position which will increase my knowledge base for topics pertaining to my field of study. In addition, I wish to acquire technical skills which will facilitate learning in the future.

### EDUCATION

---

**2001 - Present Rensselaer Polytechnic Institute**

Troy, NY

**Major Specific Courses - Completed**

- Introduction to Engineering Design
- Electric Circuits
- Computer Components and Operations
- Embedded Control

**Major Specific Courses - Currently Taking**

- Analog Electronics
- Signals and Systems

**2001 - Present Rensselaer Polytechnic Institute**

Troy, NY

**Electrical Engineering**

- Scheduled graduation BS: May 2005

### HONORS AND ACTIVITIES

---

**Spring 2003 - Present**

RPI Dance Club

- Co-President

**Spring 2003 - Present**

RPI Chapter Society of Women Engineers

- Webmaster

**Fall 2003 - Present**

RPI Women's Mentoring Program

- Mentor to incoming freshman girls

**Spring 2002 - Present**

RPI Dean's List

- Academic honors

**Spring 2000**

- Recipient of Rensselaer Polytechnic Institute Medal of Mathematics and Science

### EMPLOYMENT

---

**Summer 2003 Texas Instruments, Inc**

Attleboro, MA

**Electrical Engineer Intern**

- Analysis of circuitry
- Installation and application of analysis equipment (IOtech's DAC488HR-4, Agilent Technology's IEEE cards)
- Development of manufacturing line, part testing procedure

**Summer 2002 Texas Instruments, Inc**

Attleboro, MA

**Quality Engineer Intern**

- Creation of Quality Controls Dept. web page
- General quality related tasks, including work with Trackwise®

**2002 - Present Rensselaer Polytechnic Institute Administrative Office**

Troy, NY

**Work Study**

- Responsible for general clerical tasks

## **David Anderson**

[tideandave@hotmail.com](mailto:tideandave@hotmail.com)

815 Gonzales Dr. Dothan, AL 36305

(205) 347 - 5476

### **Objective:**

To obtain a full-time, long-term position in the field of Electrical Engineering

### **Education:**

The University of Alabama, Tuscaloosa, AL      Wallace Community College, Dothan, AL

Bachelor of Science: Electrical Engineering      Core Curriculum Coursework, No degree

Anticipated Graduation Date: December 2003

Cumulative GPA: 2.759/4.0

### **Senior Design Project:**

Design, build, and test a Pulse-Amplitude Modulation Receiver.

### **Course Studies and Computer Skills:**

Power Systems, Industrial Power Systems, Communication Systems, Digital Communication Systems, Digital Image Processing. Working knowledge of Microsoft Word, Excel, Power Point, Front Page, and Outlook. Some knowledge of C++, Microsoft Access, and Auto Cad 2000, and Matlab.

### **Professional Experience:**

#### **Mead Coated Board, Cottonton, AL, August 1999 – June 2001**

Engineering Services Dept., Electrical Engineering Co-op

Project Management including: Construction of a reinforced concrete wall for the wood yard, purchase and installation of new paper roll line scanners, purchase of new 4160V switchgear for 1000 HP chipper motor in wood yard, purchase and test new flow meter, organize new digital paging system and establish pager log for division, and maintenance and upkeep of mill radio system using Motorola MTX 800 and MTX 8000 radios. Projects were accomplished through the coordinated efforts of Hired Consultants and contracted labor.

#### **Sony Magnetic Products of America through Manpower Temporary Services,**

Dothan, AL, June – August 1998. VHS Packaging, Line Labor

General assembly line labor ranging from loading pallets for shipping to helping man the VHS assembly line. Summer Job. 12 hr. night shift.

#### **Movie Gallery, Dothan, AL, June 1996 – August 1997**

Human Resources and Payroll, Human Resources Associate

Responsible along with one other person for maintaining the personnel files for all Movie Gallery employees. Also aided Payroll in the creation and shipping of payroll checks for all Movie Gallery employees

### **Activities:**

Institute of Electrical and Electronics Engineers (IEEE) student member

Society of Automotive Engineers (SAE) student member

## DEREK BARBER

### Current Address:

1900 Rice Mine Rd. N., Apt. 210  
Tuscaloosa, AL 35406  
(205) 752-2546  
barbe003@bama.ua.edu

### Permanent Address:

811 Main St.  
Jackson's Gap, AL 36861  
(256) 825-6314

### Education

#### **Bachelor of Science: Electrical Engineering**

*The University of Alabama, Tuscaloosa, AL*

Expected Graduation: December 2002

Cumulative GPA 3.2/4.0

Passed Fundamentals of Engineering Exam, April 2002

*Design Project: Prototype for parking availability system*

### Experience

#### **Engineering Co-op, Three Semesters (1 year), 2000-2001**

*BellSouth Corporation, Engineering and Carrier Services,  
Montgomery, AL*

Reviewed, corrected, and updated transmissions characteristics to legacy UNIX database in support of new xDSL internet access solutions during network upgrade for 2000-2002 fiscal years. Worked autonomously on upgrade project, meeting high profile, date sensitive targets involving multiple tasks across various wire centers and in all wire center routes. Resolved discrepancies between multiple databases (LFACS, LEIS), engineering workorders, and long-term property records. Designed and verified T1 level connectivity for completion of service orders. Provided input into long range infrastructure planning at route level, including resolution of bottlenecks in fiber and copper routes.

#### **Golf Course Groundskeeper, Summers 98/99**

*Stillwaters Golf Course, Traditions and Legends Courses, Dadeville, AL*  
Set up golf course. Operated small equipment such as deck mower, and utility vehicle. Trained in golf course maintenance. Participated in many course beautification projects. Facilitated better communication between English speaking and non-English speaking workers.

### Computer Skills

Windows 95/98/NT, Maple, MATLAB, Microsoft Excel, Microsoft Internet Explorer, Microsoft PowerPoint, Microsoft Word, Netscape Navigator

### Honors/Activities

Hoyt "Wu" Winslett Scholarship recipient  
Benjamin and Roberta Russell Foundation Scholarship recipient  
Bryant-Jordan Scholar-Athlete Award  
Dean's list

## G. EVAN BEASLEY

Permanent Address:  
2409 Prince Avenue  
Tuscaloosa, Alabama 35401  
(205) 343-2072  
beasl004@bama.ua.edu

<b>Objective</b>	To obtain an entry level position with a focus on digital design and prepare for a future in engineering management.
<b>Education</b>	<b>Bachelor of Science, Electrical and Computer Engineering August 2003</b> Minor: Computer Science The University of Alabama, Tuscaloosa, Alabama ECE GPA 2.3/4.0 Design Project: GPIB to printer interface Passed Fundamentals of Engineering Exam, Spring 2003
<b>Course Work</b>	Microcomputers, Digital IC Design & Computer Architecture
<b>Experience</b>	<b>Draftsman</b> , June 1999-Present Brooks and Brooks, Inc., Northport, Alabama  Ensure drawings are completed on time. Perform gas-line river crossing design work. Develop a spreadsheet to calculate the height of cellular towers. Develop a spreadsheet to triangulate a point on a vertical face. Train new draftsmen.  <b>Signal Support System Specialist</b> , September 1994-September 2002 United States Army Reserves, Birmingham, Alabama  Established and maintained communications by setting up, operating, troubleshooting, and repairing all radio and telephone systems. Repaired down machines and prepped new machines. Required SECRET Security Clearance.  <b>Junior Inspector</b> , June 1998-June 1999 Burk Klienpeter, Inc., Tuscaloosa, Alabama  Created cross sections and calculation of quantities. Developed a spreadsheet to calculate quantities. Monitored contractor to insure construction was according to specifications.  <b>Salesman</b> , September 1995-June 1998 Sears and Roebuck, Tuscaloosa, Alabama  Customer service, new machine prep, troubleshooting, and limited repair.
<b>Computers</b>	AutoCad, C/C++, MS Office, Dos, Windows, MATLAB, VHDL, OrCad, Altera, Assembly, MFC, Unix, html, Java, open GL, FORTRAN
<b>Leadership</b>	Deacon, IEEE member, Choir member, Million Dollar Band member
<b>References</b>	Available upon request

## **JENIS' DANIELLE BELL**

552 Goldenrod Drive  
Birmingham, Alabama 35215  
(205) 815-3436

[Nis2610@aol.com](mailto:Nis2610@aol.com)

Post Office Box 864336  
Tuscaloosa, Alabama 35486-0038  
(205) 347-7339

**OBJECTIVE** To apply the acquired theoretical knowledge of engineering to a work environment.

<b>EDUCATION</b>	<b>The University of Alabama</b> <b>Tuscaloosa, Alabama</b> Electrical Engineering - Major General Business Administration - Minor Spring 2004	<b>Cumulative GPA 3.029</b>	<b>Woodlawn High School</b> <b>Birmingham, Alabama</b> Advanced Diploma Salutatorian May 1998
------------------	--	-----------------------------	---

<b>SKILLS</b>	Microsoft Word Microsoft PowerPoint Self-motivated	Microsoft Excel Microsoft Access Hardworking	Internet Explorer 30-40 WPM Friendly
---------------	--	--	--

### **EXPERIENCE**

Summer of 98 - Present	<b>BE&amp;K, ENGINEERING</b>	INROADS Intern	Birmingham, AL
---------------------------	------------------------------	----------------	----------------

- Experienced engineering in the field
- Created, completed, and updated forms for company use
- Attended company Toastmaster's meetings
- Maintained logs of drawings for two construction projects
- Reproduced and distributed drawings in office and at job sites
- Trained on an instrumentation database

10/96 - 06/98	<b>RAINBOW APPAREL</b>	Sales Associate/Manager	Birmingham, AL
	▪ Managed inventory		
	▪ Completed paperwork related to company business		

Summer of 97	<b>BIRMINGHAM BOARD OF ED.</b>	Teacher Assistant	Birmingham, AL
	▪ Aided teachers in educating students		

08/01 - 05/02	<b>AMERICA READS/COUNTS</b>	Tutor	Tuscaloosa, AL
	▪ Helped students develop mathematic skills		

### **LEADERSHIP**

INROADS/Birmingham Member - 06/98 - Present  
Bethel Ensley Action Taskforce (B.E.A.T.) - 07/98, 07/99, & 07/99  
National Society of Black Engineers - 01/99 - Present  
Society of Women Engineers - 01/99 - Present  
Community Choir Member - 01/99 - 01/00  
Community Choir Member Secretary - 01/99 - 01/00  
Alpha Lambda Delta Honor Society - 08/99 - Present  
Gamma Beta Phi Honor Society - 08/99 - Present  
Jesse's Place - 07/00  
Eastwood Middle School Tutor - 08/00 - 12/00  
INROADS Student Association - 06/01 - Present

### **HONORS**

SouthTrust Bank Scholarship - 08/98  
Woodlawn High Community School Scholarship - 08/98  
Sam Walton (Walmart) Scholarship - 08/98 - 05/99  
Dean's List - 05/99  
Distinguished Member of Gamma Beta Phi Honor Society - 05/00, 05/01  
Certificate of Academic Excellence (Delta Sigma Theta Sorority, Inc.) - 05/00  
Certificate of Academic Excellence (Black Faculty & Staff Association of UAT) - 05/00, 05/01, 05/02  
President's List - 05/01

**REFERENCES** Available upon request

## **BEDFORD V. CASH II**

**P.O. Box 861441 • Tuscaloosa, AL 35486 • 205-886-9678**

**BCash\_II@hotmail.com**

### **OBJECTIVE**

To obtain a challenging position that will both utilize and strengthen the knowledge I have acquired in my educational study while allowing for professional and personal development.

### **EDUCATION**

**THE UNIVERSITY OF ALABAMA**

**Tuscaloosa, Alabama**

- Bachelor of Science in Electrical Engineering with Computer Engineering option.
- Minor: Math, Computer Science.
- G.P.A.: 2.1/4.0 (overall)

*\*Worked part time through school to support financial needs.*

#### **Significant Course Work in:**

•**SOFTWARE:** Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access.

•**SOFTWARE LANGUAGES:** Fortran, Microsoft Visual C++, Java, JavaScript, HyperText Markup Language (HTML), and Microsoft FrontPage.

•**HARDWARE LANGUAGES:** Verilog Hardware Descriptive Language (VHDL), PSpice, and MAGIC.

•**OPERATING SYSTEMS:** Microsoft Windows, Linux(RedHat), and UNIX.

•**UNDERGRADUATE RESEARCH:** Transistor design and fabrication.

### **EXPERIENCE**

**PC Productions, Tuscaloosa, AL**

**Mar. 2003-Present**

#### **Computer Consultant/Technician:**

Provide computer troubleshooting and networking assistance to private users as well as small office systems. Rebuild and upgrade computers systems as well as supply new and rebuilt computer parts and accessories for customers.

**Papa Johns Pizza, Tuscaloosa, AL**

**Dec. 1999- Present**

#### **Shift Manager/Supervisor:**

Responsible for opening and closing the store, as well as supervising and training the employees. Responsible for inventory control, banking and increasing overall efficiency through the teaching and implementation of solid customer service skills.

**Action Security, Montgomery, AL**

**2000 (summer)**

#### **Office Manager:**

Called potential clients to coordinate and schedule sales appointments for three technicians. Ensured that all documents, as well as outgoing letters and reports, met quality standards for timeliness, clarity, and accuracy. Responsible for the installation of computer software as well as necessary updates and overall network monitoring.

### **MEMBERSHIPS**

- Institute of Electrical and Electronics Engineers Engineering Society
- National Society of Black Engineers Engineering Society

### **REFERENCES**

References available upon request.



JOHNNY L. DANIEL  
1107 Heritage Lane  
Tuscaloosa, AL 35406  
(205) 752-0567  
johnnyldaniel@yahoo.com

#### OBJECTIVE

To secure a position as an Electrical Engineer.

#### ACHIEVEMENTS

Fundamentals of Engineering Exam (FE), April 15, 2000.

#### EDUCATION

Currently enrolled in 2<sup>nd</sup> Semester of MSEE program at University of Alabama.

Grad School GPA: 3.2/4.0

Completed courses in VLSI design using the MAGIC software environment and basic Radar concepts. Current coursework is in RF Electronics using GENESYS software and Computer Engineering using VHDL and investigating SRC topics.

Bachelor of Science in Electrical Engineering, December 2000

The University of Alabama, Tuscaloosa, AL

Senior project required me writing a PLC program to monitor and control an automobile traffic intersection using an Allen Bradley SLC 5/03.

Associate in Applied Science in Industrial Electronics, August 1998

Shelton State Community College, Tuscaloosa, Alabama

Course content included AC, DC, ladder logic, and electric motor control analysis.

#### EXPERIENCE

Electrical Design Engineer, December 2000 to July 2001

Washington Group, Int., Birmingham, AL

Work experience included aiding in the design of electrical infrastructure to support facility service and production equipment for a major supplier of fiber optic cable.

Telecommunications Computer Operator Maintainer, 1993-1999

Alabama National Guard, Homewood, AL

Work experience included computer repair, software and hardware upgrades, and the requirement to perform all military duties.

#### COMPUTER SKILLS

Spice, Microstation (computer aided drafting software), RSLogix (programmable logic controller software), MS Office, Windows, and DOS, FoxPro, MATLAB.

63 Trafalgar Sq  
Birmingham, AL 35215

Phone 205-853-6828  
E-mail kyler\_j\_davis@yahoo.com

# Kyler Davis

---

## Objective

To secure a position as an electrical engineer with an established organization which offers challenging career paths and the opportunity for advancement utilizing my technical knowledge.

## Special Skills

C++, VHDL, PSpice, Electronic Workbench, Oscilloscopes, Matlab, Dos, Microsoft Word, PowerPoint, Excel, Windows 98/Me/XP

## Education

1999 - 2003                      University of Alabama                      Tuscaloosa, Alabama

### **Bachelor of Science: Electrical Engineering**

- *Design Project: VHDL Programming of Carpet Rover Robot*

## Work experience

2002 – 2003                      University of Alabama/Department of Mathematics  
Tuscaloosa, Alabama

### **Mathematics Tutor**

Assisted students with their coursework in varying math levels, ranging from algebra to calculus. Interacted with peers, supervisors, and faculty members.

2001 – 2002                      University of Alabama/Ferguson Center  
Tuscaloosa, Alabama

### **Game Room Attendant**

Distributed indoors entertainment equipment to students and visitors, such as paddles, pool balls, cues and assisted them with problems that occurred.

2000 – 2002                      Blockbuster Entertainment  
Birmingham, Alabama

### **Customer Service Representative**

Assisted customers with selecting products. Reinforced service expectations.

## Honors and Activities

Dean's List, Summer 2002  
Eta Kappa Nu: Electrical Engineering Honor Society  
Peer Tutor in C++ Fall 2000 and Spring 2001  
Alpha Lambda Delta Honor Society  
Phi Eta Sigma Honor Society  
Peer Tutor in Matlab Spring 2000  
Dean's List, Fall 1999

## References

Available Upon Request

# **Tina Davis**

P.O. Box 8  
Carrollton, AL 35447  
205.367.9099  
[richey@jelm.net](mailto:richey@jelm.net)

## **Work Experience**

### **Electrical Engineer**

Kerr-McGee Chemical LLC, Hamilton, MS

October 1995 – Present

- Supervise on-site electrical contractors on capital and expense projects.
- Support maintenance with technical assistance on electrical issues.
- Coordinate with production department on all E & I maintenance issues.
- Develop preventative techniques to minimize downtime.
- Perform process control engineering by troubleshooting PLCs.
- Monitor the integrity of the facility 161 kV substation.
- Facilitate the ordering of equipment and parts to meet strict development time-lines.
- Facilitate quality action teams.
- Perform failure analysis and solve problems.

### **Student Engineer**

Alabama Power Company, Tuscaloosa, AL

Summers 1994 and 1995

- Updated power line maps.
- Assisted power system engineers with new service installations.

## **Education**

### **Master of Business Administration**

Mississippi State University, Starkville, MS

Degree Awarded August 2001

### **Bachelor of Science in Electrical Engineering**

The University of Alabama, Tuscaloosa, AL

Degree Awarded May 1995

## **Affiliations**

### **Alpha Theta Chi**

Collegiate Honors Society  
December 2000

### **Theta Tau**

Engineering Professional Fraternity  
December 1994

### **Institute of Electrical and Electronic Engineers**

Professional Society  
December 1993

## **Skills**

- **Rockwell PLC Software:** RSLogix 5, RSLogix 500, RSLinx, PanelBuilder
- **Microsoft Program Applications:** Access, Excel, PowerPoint, Project, and Word
- **AutoCAD**

## **References**

Available Upon Request.

## **PATRICK DELAY**

Box 863548

Tuscaloosa, AL 35486

Phone: (205) 347-4272

E-mail: pdlay@hotmail.com

---

### **Objective**

To obtain a summer internship pertaining to electrical engineering and/or physics.

### **Work History**

Summer 2001:

**Electrical Engineering Co-op**, NTN Bower, Hamilton AL

Duties included assisting managers with paperwork, internal ISO auditing (9000 and 14000), and information gathering.

January 2001—June 2002:

**Student Worker**, Act Card/ Telecom, University of Alabama, Tuscaloosa AL

Tasks included creating 'Action Cards' using digital cameras, network sharing software, and commercial-sized printers.

Received money, and assisted the public.

September 1998—August 2000:

**Gopher**, Trader's and Farmer's Bank, Haleyville AL

Positions included customer service, telecommunication, and inventory tasks.

### **Education**

Bachelor of Science: Electrical Engineering

Bachelor of Science: Physics

The University of Alabama, Tuscaloosa, AL

Expected graduation: May 2006

GPA: 4.0+/4.0

- Awarded Presidential Scholarship
- Recipient of Robert C. Byrd Scholarship
- Awarded Electrical Engineering Sophomore Meritorious Award

Studied at Oxford University, Oxford, England

### **Skills**

Knowledgeable in Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Visual Basic, C++, MatLab, Maple, Telnet and HTML

Able to get along with diverse cultures

Eager to learn new skills

### **Hobbies/Extra-curricular**

Photography

Reading

The differing aspects of computers

Treasurer—National Society of Collegiate Scholars

Treasurer—Campus Girl Scouts

Member—IEEE (Institute of Electrical and Electronics Engineers)

### **References**

Available upon request

# JOAN DERIVAL

[derival@eng.usf.edu](mailto:derival@eng.usf.edu)

Mailing Address: 4202 E. Fowler Ave USF 30546, Tampa, FL 33620 (813) 361-6624

Permanent Address: 3926 Mindi Ave., Naples, FL 34112 ~ (239) 793-7269

---

## **CAREER OBJECTIVE**

To obtain a challenging electrical engineering position involving creative projects in the areas of RF and wireless engineering

## **SKILLS**

French (fluently written and spoken)

Unix/C programming ~Html ~ Visual Basics ~VHDL ~Cadence ~ Pspice ~ Matlab~ AutoCad~ IDEAS~ Java-script

## **EDUCATION**

University of South Florida- Tampa, FL

Master of Science in Industrial Engineering, (fall 2004)

Graduate Certificate in Wireless Engineering (spring 2004)

University of South Florida- Tampa, FL

Master of Science in Electrical Engineering, (fall 2001)

GPA 3.1/4.0

Florida A&M University-Tallahassee, FL

Bachelor of Science in Electrical Engineering, (fall 1999)

GPA 3.0/4.0

## **ACADEMIC HONORS/ EXTRACURRICULAR ACTIVITIES**

Golden Key National Honor Society, White & Gold Honor Society. GEOG fellowship recipient,

Moorings Park Scholarship recipient, 2002-2003 USF-NSBE Secretary, 2002 - 2004 USF-SWE Public Relations

Volunteer at 2002 & 2003 SWE National Convention, NSBE PCI Volunteer, Blake High School Volunteer

Hillsborough Education Foundation Guest Speaker, Recruiter for USF Graduate School, IEEE member, Toastmaster, ICS member

## **RELEVANT COURSEWORK**

Project Management~ Unix/C programming ~VHDL ~ CMOS/VLSI Design ~Digital Medical Imaging~Low Power

Design in VLSI ~Digital Signal Processing ~ Wireless Systems~ Wireless Network and Architecture~ IC Processing~

Random Processing~ Product Development~ Manufacturing Systems Analysis~ Multivariate Optimization~ Production Control Systems

## **EXPERIENCE**

Hillsborough Community College- Tampa, FL

•08/2003- Present

### **Adjunct Faculty**

- Conducted and taught courses within mathematics curriculum
- Prepared, compiled, administered and grades exams
- Provided academic assistance to students and maintained office hours

University of South Florida- Tampa, FL

•08/2003- Present

### **Instructor**

- Taught a course on University Experience
- Developed a curriculum consisting of different workshops, presentations and community outreach

University of South Florida-GEAR UP- Tampa, FL

\_06/2003- Present

### **Teaching Assistant**

- Assisted teachers as required to ensure effective team teaching
- Performed other necessary tasks as assigned by teachers
- Assisted students requiring additional help

Link Systems International Inc.- Tampa, FL

•01/2003 – 05/2003

**Software Content Developer**

- Developed educational content for published mathematical college textbooks
- Implemented and tested software coding for mathematical tutorials

University of South Florida- Center for Urban Transportation Research- Tampa, FL

•08/2001- 12/2002

**Graduate Research Assistant**

- Assisted in the testing phase of the "Auto Sense II", a laser detection device being used in the toll collection system
- Collected, and analyzed daily toll transactions data in comparison with Autosense II data output
- Worked with Autosense II vendor (Schwartz Electro-Optics) for troubleshooting
- Evaluated the overall performance of the Volusia County Emergency Response

University of South Florida- Project Trust- Tampa, FL

•09/2000 – 05/2001

**Tutor**

- Assisted undergraduate students in Calculus, Physics, and Circuits Analysis
- Implemented different prep exams for students

Johnson Controls -Holland, MI

•05/1998 - 08/1998

**Intern**

- Key member of the design team for the conception of a liquid crystal display (LCD) intended for the overhead console of a concept vehicle.
- Designed user-friendly menus in different languages (English, French, German, Italian) for this product
- Implemented a Visual Basics program creating bitmaps for this project
- Implemented a C program updating the temperature, a feature for this LCD unit

**MAJOR PROJECTS**

**Conditional Sum Adder**

- Wrote a VHDL program to implement the design by using Altera

**UART- Transmitter**

- Designed by using Magic

**Universal Asynchronous Transmitter Receiver**

- Designed by using Cadence
- Evaluated its power consumption by using PowerMill

**RESEARCH PAPERS**

**Digital Medical Imaging**

- Image Guided Diagnosis
- Image Guided Therapy, Treatment Planning
- Image Guided Surgery

**Low Power Design in VLSI**

- Gate Level Optimization

**Wireless Systems**

- Advancements in our Multi-Media Surveillance Systems

## Clifford Scott Diaz

Current Address:  
5 Parkwood Circle  
Tuscaloosa, AL 35401  
(205) 886-9248  
[cobcobbbs@hotmail.com](mailto:cobcobbbs@hotmail.com)

Permanent Address:  
304 Summerrain Terrace  
Dothan, AL 36303  
(334) 793-9248

- Objective:** To obtain an entry level position in the electrical engineering field with a concentration in communications.
- Education:** Bachelor of Science: Electrical Engineering  
University of Alabama, Tuscaloosa, AL  
Expected Graduation: December 2003  
Cumulative GPA: 3.1/4.0  
Design Project: Communication Systems, Design and build a Pulse Amplitude Modulated (PAM) receiver to work with a previously built PAM transmitter, to be completed December, 2003.
- Experience:** **Payroll Delivery Clerk**, January 2002-Present  
Greek Resource Services Inc., Tuscaloosa, AL.  
Delivered payroll to fraternity and sorority houses for Greek based accounting firm. Dealt with house mothers and returned invoices to office. Organized current and past records in records room.
- Engineering Intern**, Summer 2000  
Georgia Power, Northern Transmission Control Center (NTCC),  
Atlanta, GA.  
Assisted in implementation of lightning tracking system and software, and trained employees to record line fault data obtained from this system.  
Designed fault data database for controllers in NTCC using Microsoft Access.
- Movie Theater Doorman**, May 1996-August 1999  
Davis Theaters, Dothan, AL.  
Took tickets at front door and cleaned theaters after each show. Assisted in snack-bar and closing of theater. Aided the building of two new theaters and the installation of 3 Dolby DTS sound systems.
- Computers:** C++, MS Office, FORTRAN, Windows, MATLAB, PSpice
- Leadership:** Dean's List, Spring 1999,2000; President's List, Fall 1999;  
**Member:** Alpha Lambda Delta Freshman National Honors Society, Gamma Beta Phi Honors Society for top 20% of class, Eta Kappa Nu EE Honors Society for top 10% of EE class, IEEE, Treasurer of Sigma Nu: Pledge Class 1998, Purchase Fund 2000, Entire fraternity 2002  
**Recipient:** University Book Scholarship-2001,2002; Georgia Power Company Scholarship-2000; William McCalla Scholarship-1998,1999; University of Alabama National Alumni Association Book Scholarship-1998,1999.  
**Participated:** Intramural football, basketball, and softball, 1998-2002.



# SHUNE DUBLIN

• SHUN236@HOTMAIL.COM  
1188 KIRK ST. • ORLANDO, FL 32808 • PHONE (407) 737-9457

## OBJECTIVE

---

Entry level Position in Electrical Engineering

## EDUCATION

---

2000- present    University of Central Florida    Orlando, FL

- Major: Electrical Engineering
- Class Standing: Senior
- Relevant coursework: Semiconductor Devices, Electrical Networks

## EXPERIENCE

---

1999-present    Office Depot    Orlando, FL  
*Service Desk Associate and Cashier*

- Provide professional, courteous customer service.
- Distributed goods and services in exchange for currency and customer satisfaction.
- Trained new employees on the register and on how to run the service desk.

## ACTIVITIES

---

National Society for Black Engineers member, Society of Women Engineers member, Caribbean student Association member, Secretary of UCF Butokukan (Tae Kwon Do Club), electronics and electronic games, drawing, learning about different cultures around the world, martial arts, learning Japanese.

## SKILLS

---

Computer: Macintosh environment, Windows environment, PowerPoint, Excel, C programming, Assembly language, Microsoft paintbrush, Photoshop, Microsoft Publisher.

# Christopher Dallas Eaton

1164 Gardendale Terrace Dr., Gardendale, AL 35071 • (205) 837-7079 • eaton001@bama.ua.edu

---

## Education

- **The University of Alabama**, Tuscaloosa, AL  
Bachelor of Science - Electrical Engineering w/Computer Engineering Option  
Expected date of graduation: May 2004    Current GPA: 3.946

## Experience

- **BellSouth Telecommunications, (May 2000 – Aug 2003): Switch/Circuit Capacity Management Co-op**

Gained knowledge of network central office equipment, including broadband switching equipment such as the Ascend B-STDX 9000, CBX-500, and Lucent GX-550. Planned, provisioned, and administered the network requirements to meet service demands and to ensure effective and efficient use of network elements and facilities. Coordinated activities with all affected internal and external groups to facilitate the proper installation, removal, or conversion of network elements and facilities. Wrote and submitted job orders for the engineering, furnishing, and installation of all broadband equipment, including determining budget and account allocations. Also, prepared and submitted the authorization package for approval. Developed and maintained scheduling of engineering and construction dates. Processed Frame Relay, ATM, and Primary Rate ISDN (PRI) Service Inquiries. Managed and maintained corporate databases. Handled computer projects as needed including troubleshooting hardware and software, PC configuration and installation, and software installation.

- **The University of Alabama (Fall 2000 and Spring 2002): TIDE Tutor**  
Assisted students in gaining a basic understanding of MATLAB. Also helped students with problems in mathematics, physics, and chemistry.

## Computer Skills

- **Operating Systems:** Windows 9x/NT/2000/XP, some experience with Unix.
- **Hardware:** Knowledgeable with troubleshooting and assembling PC's and their respective hardware, including network interface cards, sound cards, video cards, SCSI devices, and disk drives.
- **Software:** Proficient with Microsoft Word, Excel, PowerPoint, FrontPage, Outlook, and Internet Explorer.
- **Programming Languages:** MATLAB, C/C++, VHDL, HTML. Some experience in Java, OpenGL, and Cold Fusion scripting language.

## Strengths & Achievements

- Presidential honors – Spring 2000, Summer 2001, and Spring 2002 at The University of Alabama
- Achieved Dean's List honors every semester at The University of Alabama
- Ability to work as team member
- Excellent oral and written communication skills
- Awarded PRIDE award during employment with BellSouth
- Inducted into Phi Eta Sigma and Alpha Lambda Delta Honor societies at UA
- Inducted into the National Society of Collegiate Scholars
- Inducted into Tau Beta Pi Engineering Honor society
- Inducted into Eta Kappa Nu Electrical Engineering Honor Society
- Received the Department of Electrical and Computer Engineering Sophomore Meritorious Award
- Received the Department of Electrical and Computer Engineering Junior Meritorious Award
- Inducted into the Golden Key International Honor Society

**Sheref Edwards**

**2317 5<sup>th</sup> Ave South, Columbus, MS 39701**  
**Home Phone (662) 328-4438**  
**SherefEdwards@hotmail.com**

### ***Objective***

To secure a position in the field of Electrical Engineering that will allow me to utilize my acquired skills.  
Special interests include power systems, microelectronics, and electromagnetics.

### ***Education***

**•Bachelor of Science in Electrical Engineering, December 2002**

Mississippi State University; Starkville, Mississippi

**•Minor in Mathematics, December 2001**

Mississippi State University; Starkville, Mississippi

### ***Experience***

**Senior Design Electromagnetic Safety Pin Team; Mississippi State University, January 2002 – December 2002**

- Fabricated a safety device that detected potentially hazardous electromagnetic fields emitted by current carrying components.
- Aided in field testing and hardware design.

**Clifton's Electric; Columbus, Mississippi, May 2001- August 2001**

- Assisted with wiring and the installation of outlets and circuit boxes

### ***Activities***

National Society of Black Engineers  
Student Association Academic Affairs Committee

### ***Courses/Computer Skills***

Electromagnetic Fields  
Insulation Coordination in  
Electric Power Systems  
High Voltage Engineering  
Microelectronic Device Design  
Power Transmission Systems

C-programming  
FORTRAN  
Matlab  
Microsoft Excel  
Microsoft Power  
Microsoft Word  
P-spice

### ***References:***

Available upon request.

# CHRISTOPHER T. FERGUSON

P.O. Box 861101  
Tuscaloosa, Alabama 35486  
(205) 347-4158  
[fergu003@bama.ua.edu](mailto:fergu003@bama.ua.edu)

---

**OBJECTIVE:** To obtain an entry level position in Electrical Engineering

**EDUCATION:** **Bachelor of Science: Electrical Engineering, December 2003**  
The University of Alabama, Tuscaloosa, AL  
Minor: Mathematics  
GPA: 2.19

**SYSTEM PROFICIENCIES:** ADA 95, VHDL, C++, COBOL, Java, PSpice, Matlab, Rigel's Embedded Applications Development System (Reads51), Assembly Language, Windows, Microsoft Word, Excel, Access, Power Point, Front Page, Minitab, HTML, Java, Java Script, Internet

**WORK EXPERIENCE:**

Summer 2003 **Camp Counselor,**  
*Student Introduction to Engineering Camp, The University of Alabama, Tuscaloosa, AL*

- Supervised 90+ high school students over a three week period
- Provided guidance and advice to students
- Assisted in engineering design project

August 2002-  
May 2003 **Computer Science Tutor,**  
*Department of Computer Science, The University of Alabama, Tuscaloosa, AL*

- Provided one-on-one instruction to students of Microsoft Office applications
- Served as proctor during testing
- Responsible for accurate compilation and recording of grades

January 2000-  
May 2001 **Resident Assistant,**  
*Residential Life, The University of Alabama, Tuscaloosa, AL*

- Supervised 80+ male residents
- Maintained resident files and administrative paperwork
- Served as confidant and advisor to residents
- Completed two week-long intensive training programs

Summer 2001 **Intern,**  
*Standards Systems Group, United States Air Force, Montgomery, AL*

- Led staff in understanding and applying the Dynamic Object Oriented Requirements System (DOORS)
- Adapted DOORS to meet implementation needs for software development
- Updated and improved website to better inform worldwide customers of the status of software development

Summer 2000 **Intern,**  
*Standards Systems Group, United States Air Force, Montgomery, AL*

- Completed analysis of price percentages of Blanket Purchase Agreements prices as compared to Government Services Agreements prices
- Created Power Point presentations to be presented on road shows and to senior leadership within military
- Assisted in organizing Air Force Information Technology High School Day

**ACTIVITIES:**

Institute of Electrical and Electronics Engineers (IEEE)  
Residence Hall Association  
-Vice President (1999-2000)  
-Treasurer (1998-1999)  
Volunteer Math Tutor—Oakdale Elementary School  
National Society of Black Engineers

**REFERENCE:** AVAILABLE UPON REQUEST

**Blair C. Fonville**  
15 The Downs  
Tuscaloosa, AL 35401  
[bfonville1@comcast.net](mailto:bfonville1@comcast.net)  
(205) 343-1680

---

## EDUCATION/TRAINING

**Master of Science:** Electrical Engineering  
Research Interest: High Frequency Electronics, Communication Systems  
The University of Alabama - Tuscaloosa, Alabama  
Expected Graduation: May 2003  
Cumulative GPA 3.86

**Bachelor of Science:** Electrical Engineering  
Minor: Computer Science  
The University of Alabama - Tuscaloosa, Alabama

### Microsoft Certifications

- Microsoft Certified Systems Engineer (MCSE)
- Windows 95 Microsoft Certified Professional (MCP)
- Windows NT 4.0 Microsoft Certified Professional (MCP)
- SQL 7.0 Administrator Microsoft Certified Professional (MCP)
- Complete list of certifications available upon request

### Special Projects

- *Master's Thesis* – “A Method of Tracking: Global Positioning System (GPS) Coordinates Transmitted via Packet Radio”
- *Packet Assembler/Disassembler* – A PAD is a hardware device that makes it possible for a data terminal not set up for packet switching to use a packet switching network. It assembles data into packets for transmission, and disassembles the packets for use on arrival.
- *S.A.F.E.* – A program designed in UML with Rational Rose and coded in Visual Basic. S.A.F.E. is a financial software package providing a simple home-user record keeping format with checking account, saving account, and credit card account databases. A transfer from one account to another is built in along with many other functions and features (i.e. Records can be read out loud to the user if desired.)
- *Elevator Control System* – Four floor elevator control system designed with PLC's ladder logic programming language. The design was implemented on an integrated Allen-Bradley PLC.
- *Frequency Probe* – An analog meter probe to measure the frequency of a circuit. Frequency range allowed is from about DC to approximately 2 MHz. The allowable amplitude is 20 volts.
- *Alarm System* – Design is based around the Atmel 89c52 microcontroller. Design includes extensive use of assembly language programming for the Alarm's function controls and LCD panel signaling.

## EXPERIENCE

**Graduate Teaching Assistant**, August 2001 – Current  
The University of Alabama  
Tuscaloosa, AL

**Computer Help-Desk Manager/IT Manager**, September 1998 – January 1999  
Smurfit-Stone Corporation  
Richmond, VA

## AWARDS /HONORS

Graduate Teaching Assistant  
Lab Instructor – Digital Integrated Circuit Design (ECE 430/530)  
Lab Instructor – Microcomputers (ECE 383)  
Lab Instructor – Microcontrollers (ECE 488/588)  
Lab Instructor – Electronics II (ECE 333)  
Society of Physics Students, Treasurer  
Student Government Association, Financial Support Committee Chairman  
Delta Tau Delta Fraternity, Internal Vice-President, Academic Chairman

## REFERENCES

Available upon request

**Fred Green, III**

1218 Columns Dr.  
Lithia Springs, GA 30122  
**Home Phone:** 770-745-7522  
**Email Address:** fngreen3@yahoo.com

---

## **EDUCATION**

### **GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA**

**Master of Science, Electrical and Computer Engineering,** Anticipated Graduation Date: December 2003  
Courses: Wireless Networks, Computer Communications Networks, Advanced Computer Architecture, Parallel and Distributed Computer Architecture, Computer-Aided Design of VLSI Systems, Modulation Diffractive and Crystal Optics, Design of Human Interface Systems, Network Security

### **THE UNIVERSITY OF ALABAMA, Tuscaloosa, AL**

**Master of Business Administration,** Graduation Date: May 1998  
Courses: Management of Information Systems, Database Management Systems, Computer Communication Networks, Finance, Accounting, Economics, Marketing, Business Strategy, Business Management

**Bachelor of Science, Electrical Engineering,** Graduation Date: May 1995

## **WORK EXPERIENCE**

### **SASOL NORTH AMERICA, Lake Charles, LA**

#### **Process Computer Engineer**

**2001 – 2002**

- Developed software using SQL and Visual Basic to enable plant-wide access to engineering and process data
- Managed and monitored plant database of process information and environmental data
- Managed and directed installation of process information management system hardware and upgrades of software
- Worked with engineers and technicians to drive business toward resolving critical issues and increasing yields

### **SOUTHERN COMPANY, Demopolis, AL**

#### **Project Engineer**

**2000**

- Initiated and implemented upgrades to plant equipment resulting in improvement of overall plant efficiency
- Interfaced with vendors for the purchase of plant equipment and to establish maintenance contracts and scheduling

### **SONAT/ELPASO ENERGY, Birmingham, AL**

#### **IT Business Analyst**

**1998 – 2000**

- Managed vendor compliance issues
- Lead effort to ensure integrity of applications database
- Proactively managed and planned corporate-wide testing of communications network for Y2K compliance
- Assisted in development and documentation of test plans for applications testing

- Compiled, analyzed, and prepared monthly Y2K budget numbers for reporting capital and expenses to corporate board

**EXXON COMPANY USA, Baytown, TX**  
**Instrument and Electrical Engineer**

**1995 – 1996**

- Supported the continued (24/7) operation of refinery instrumentation, including problem identification, evaluation, diagnosis, and correction
- Facilitated and designed process improvements
- Evaluated, selected, and implemented instrumentation technologies to enhance refinery operation

### **SKILLS**

- Languages: COBOL, C, SQL, Pascal, FORTRAN, HTML, Visual Basic, Java
- Operating Systems: Unix, Any windows based PC
- Business Tools: Aspen Technologies Process Explorer, Spreadsheets, Word Processing, Database, Graphical Presentation, Simulation, Statistical Analysis, and Internet Software Tools

### **HONORS and ACTIVITIES**

- Dean's List
- Tau Beta Pi Engineering Honor Society
- Jasons Leadership Honor Society
- Eta Kappa Nu Electrical Engineering Honor Society
- Mortar Board
- Black Graduate Student Association
- National Black MBA Association
- National Society of Black Engineers
- Theta Tau Professional Engineering Fraternity
- Omicron Delta Kappa
- Golden Key
- NASA Space Grant Scholar
- Presidential Scholar
- Omega Psi Phi Fraternity

## JAMES HEATH HAMILTON

Email: hami2325@bellsouth.net

3611 Rice Mine Road Lot #2  
Tuscaloosa, AL 35406  
Phone: 205-391-0465

3900 Brakefield Dairy Road  
Jasper, AL 35503  
Phone: 205-221-2364

### Education:

**Bachelor of Science:** Electrical Engineering  
Minor Math  
The University of Alabama, Tuscaloosa, Alabama  
Graduation date: December 2003      GPA: 2.8

Bevill State Community College Jasper, Alabama  
68 hours Basic College Courses

\*\*\*\* *Worked full time to support financial needs for college.*

### Coursework:

Power Systems One	Digital Signal Processing	Electro-mechanics
Power Systems Two	Digital Integrated Circuit Design	Electro-magnetic
Signals and Systems	Electric Networks	Mechanics
Microcomputers	Electronics I and II	Intro to Computer Science
Engineering Economics	Digital Computer Fundamentals	Theory of Probability

### Projects:

**Capstone Design**, Fall 2003: Senior design project is to design and build a phase-shift keying transmitter and receiver (PSK transmitter and receiver).

**Power Systems II**, Spring 2003: Design project done in this class was sizing circuit breakers for a multiple bus power system. The performance of this project required a computer program to be written to perform fault analysis on a multiple bus system. This program performed single line to ground, line to line, and double line to ground fault analysis. Once this part of the project was completed the information from the programs fault analysis and some provided tables were used to size the circuit breakers. A research paper and presentation on power quality was also done in this class. The paper mainly covered causes and effects of power quality (harmonics).

**Power Systems I**, Fall 2002: A research paper and presentation on overhead versus underground transmission and distribution lines. The topics explored in this paper were cost, outage times, pollution, and visual impacts.

**Electromechanics**, Spring 2002: A research paper on nuclear power plants. The main topic of this paper was just the basic operation of a typical plant.

### Work Experience:

**Grocery Clerk**, Food-Max, Bruno's Inc., Northport, AL, July 2001- Present

**Grocery Clerk**, Downtown Foods, Jasper, AL, July 1999- 2001

Built displays, put together grills, tents, sacked groceries, stocked groceries, cashier, also worked in departments such as meat, seafood, produce, dairy, and frozen foods, trained people in meat and dairy departments.

**Star Construction**, Jasper, AL, Summer 1999

Worked on two different crews, one set telephone poles and the other buried telephone cable.

**Krystals Restaurant**, Jasper, AL, 1997-1999

Worked in the kitchen as well as taking and filling orders.

### Honors / Activities:

IEEE, University of Alabama

Phi Theta Kappa, Bevill State Community College, (Community College Honor Society)

2 years of Who's Who among American Junior College Students

Organized Children Activities for Vacation Bible School

4 year Member, Fall City Baptist Church

**References:** furnished upon request



**Wesley Harris, III**  
1310 Kilmington Court  
Alpharetta, GA 30004

**Home Phone:** (770)442-7867

**Cell Phone:** (404)452-6262

**Email:** [wesley\\_harris@hotmail.com](mailto:wesley_harris@hotmail.com)

**CAREER OBJECTIVE:** To Obtain a Challenging Position in the Information Technology Field with a World-Class Organization

**EDUCATION**

**Bachelor of Science**

**October 2002**

DeVry University (Alpharetta, Georgia)

Major: Information Technology (Network Administration and Database Emphasis)

**Bachelor of Science**

**May 1999**

The University of Alabama (Tuscaloosa, Alabama)

Major: Electrical Engineering with Computer Option

Minor: Computer Science (Engineering Emphasis)

**INFORMATION TECHNOLOGY EXPERIENCE & TRAINING**

**COMPUTER LANGUAGES**

C, C++, Visual Basic

SQL, x86 Assembly, HTML

UNIX Script, and some

Java Script

**TCP/IP**

TCP/IP Addressing

Ethernet

OSI Reference Model

**LAN/WAN TECHNOLOGY**

Bus, Star, and Token Ring

Routers, Switches, and Bridges

**SOFTWARE**

Windows 98 – Office Suites

MS Project, Oracle, Access, AS/400

Some Visio Professional

**OPERATING SYSTEMS**

Windows 95/98, 2000, Me

Win NT Server, UNIX

Win 2000 Server, LINUX

**WORK HISTORY**

**Sales Analyst**

Lighting Products Company

Marietta, Georgia

April 2002-August 2002

- Managed multiple construction sites at once, from the blueprint layout until the completion of construction
- Responsible for assisting clients with the quantity and various types of lighting fixtures that would best suit the needs of a newly-built facility
- Responsible for price quotes and building specialized fixtures to meet client demands
- Negotiated with vendors to coordinate shipping dates with product availability
- Operated the AS/400 and Access Database Systems
  - Entered, queried, and updated information
  - Collected, compiled and analyzed sales and product data
  - Performed statistical analysis of data
  - Maintained databases, client records and generated technical reports
- Created an effective organizational plan to manage more than fifteen projects with limited resources, while reporting to multiple levels of upper management simultaneously

**Sales Associate**

Barnes & Nobles

Alpharetta, Georgia

January 2002-April 2002

- Responsible for ordering books, stocking and straightening shelves, working cash register, and answering phone calls
- I also worked in the receiving department, receiving books into the system and shelving them in the stock room
- My biggest accomplishment was multitasking as customer service while working the sales floor

**Shipping Team Member**

UPS (United Parcel Service)

Alpharetta, Georgia

December 2001

- Loaded the trucks off the conveyor belts during the Christmas season
- Also managed the conveyor belt, and cleared any jams, or stuck packages

**RF Engineer (Lay Off)**

Galaxy Engineering

Alpharetta, Georgia

November 1999-August 2001

- Responsible for providing companies with turn-key RF Engineering Services
- Worked with a team of three contactors for AT&T in Detroit, Michigan
- Responsible for designing the cellular network that stretches from Detroit to Holland Michigan and surrounding sites.
- Designed parts of the network, chose the actual sites, coordinated and tested the sites, while verifying the implementation into the system at zoning meetings. This multi-million dollar project was a part of AT&T's plan to provide nation-wide coverage to its customers.

**Network Support Assistant**

University of Alabama

Tuscaloosa, Alabama

November 1998-May 1999

- Assisted the Network Administrator on the LAN for the Electrical Engineering Building
- Responsible for installing software, creating user accounts, setting-up and/or resetting passwords on the Win NT server
- Enhanced my interpersonal skills while providing customer service and support to students and campus personnel

**ACHIEVEMENTS**

- Dean's Honors List (DeVry University)  
Three Terms ( Oct. 2001 – Oct. 2002)

**ADDITIONAL INFORMATION**

- Willing to relocate

# JOSHUA HAWKINS

JHawk187@hotmail.com

30 Meador Dr.

Tuscaloosa, Alabama 35401

(205) 391-0436

## Education

**Bachelor of Science: Electrical Engineering, Computer Engineering Option**

*The University of Alabama*

**First Minor:** Computer Science

**Second Minor:** Mathematics

**GPA:** 3.35

**Graduation Date:** May 2003

## Computer Skills

**Languages:** C++, Ada

**Operating Environments:** Windows NT/95/98

**Business Tools:** Excel, PowerPoint, Word, Internet Explorer, Netscape Navigator, PSpice, MAX+plus II

## Experience

October 2000

Present

**Data Entry Clerk, AccuChek, Tuscaloosa, AL**

- Key bounced checks

- Audit keyed checks for errors

December 1999

January 2002

**Network Consultant, University of Alabama**

*Bruno Business Library, Tuscaloosa, AL*

- Assisted with maintenance on personal computers

- Installed updated and new software

- Assisted with computer security on Windows 95 and NT

- Inventory of all computers and accessories

December 1999

January 2000

**Sales Associate, Babbages, Tuscaloosa, AL**

- Assisted customers with purchase decisions

- Cash register

- Telephone

May 1999

August 1999

**Temporary Worker, Express Personnel Services, Tuscaloosa,**

*Rite-Aid warehouse, inventory control department*

- Handled lost and damaged merchandise

- Inventory of merchandise

February 1998

September 2000

**Student Assistant, University of Alabama**

*Bruno Business Library, Tuscaloosa, AL*

- Assisted patrons in finding materials

- Telephone

- Operated circulation and reserve desks

- Shelved books

- Filed

## Activities/ Honors

**Institute of Electrical and Electronics Engineers**

Dean's List

Eta Kappa Nu

Volunteer tutor

Book scholarship

**References available upon request**

133 Old Canoy Lane  
Leesburg, GA 31763

**DARRIN R. HINDS**

Home (229) 759-0004  
e-mail [DHINDS2@aol.com](mailto:DHINDS2@aol.com)  
web site <http://www.dhinds5.bizland.com>

---

**SUMMARY OF SKILLS**

A unique combination of strong quantitative and analytical skills from a BS in Electrical Engineering and a MBA specializing in finance and marketing. Skills include market opportunity assessment, cost-to-manufacture assessment, competitor assessment, segmentation studies, qualitative and quantitative market research, use of import/export data, engineering and technician management systems, strong project management experience in corporate, plant and E&C firm environments, time & material estimates, control system strategies and implementation.

**CAREER RELATED EMPLOYMENT**

The Procter and Gamble Corporation (Fortune #31 - Consumer Products)  
Production System Owner, Family Care Division, Charmin-Ultra, Albany, GA 1999-

- ◆ Responsible for the day-to-day operations of four, two-ply tissue converting lines including production, safety, quality, reliability, R&E budgets and seventy-five person staff.
- ◆ Revamped the department's production planning system.
- ◆ Led the sheet count optimization project across two of the tissue lines that reduced Charmin production cost by \$1000/ day.
- ◆ Reorganized the department production schedule to reduce headcount by 10 and still meet the demand based schedule.

Automation Engineer, Health and Beauty Care Division, ThermaCare Heat Wraps, Albany, GA

- ◆ Co-developed control strategy with converting and packing vendors for equipment to manufacture new FDA regulated consumer product.
- ◆ Effective technology transfer skills led to a 22% increase of skill proficiency for sixteen technicians across fifty-eight technology and process sectors.
- ◆ Developed 65% of module's training system and written documents on both packing and converting technology.
- ◆ Implemented Windows NT Server network that saved project \$40,000.
- ◆ Successfully reduced scrap by 25% and throughput by 10% during the first production year through converting and packing control system improvements .

Occidental Chemical Corporation (Fortune #250 - Basic Chemicals)  
Manager - Market Research, Global Marketing and Sales, Dallas, TX 1998-1999

- ◆ Developed an integrated supply and demand balance for chlorine and caustic soda that included a newly created North American competitor database.
- ◆ Issued quarterly and special North American and Global supply/demand forecast, market segmentation, and sales forecasts utilized by the chlorine and caustic soda business teams.
- ◆ Constructed a file analyzing the current and future merchant markets and top five producers for assigned chlor-alkali chemicals. Analyzed the impact of membrane vs. diaphragm grade caustic on the market place.
- ◆ Started development of a predictive model for chlorine production employing multiple

variable regression techniques on leading economic indicators.

- ◆ Successfully managed three single-client studies conducted by outside consultants. These studies totaled over \$100M dollars.
- ◆ Completed multiple special studies and presentations requested by OxyChem's CEO and CFO ranging from M&A candidate profiles to business school presentations.

**Albemarle Corporation** (Fortune #250 - Specialty Chemicals & Bulk Pharmaceuticals)

Coordinator - Project Management, Engineering Group, Orangeburg, SC 1991 - 1998  
Controls & Instrumentation Engineer, Corporate Engineering, Baton Rouge, LA 1989 - 1991

- ◆ Supervised technical group of five engineers that supported two bulk pharmaceutical plants and six specialty chemical plants.
- ◆ Directed designers, inspectors, and construction personnel as a project manager on projects up to \$5MM in size and averaged a five percent under run on project budgets.
- ◆ Ensured that all design and construction was done in accordance with applicable bodies and codes (EPA, ASME, NEC, NFC, ISO 9001, GMP, etc.)
- ◆ Prepared equipment specifications and purchased major pieces of capital equipment such as tanks, pumps, heat exchangers, and instrumentation.
- ◆ Wrote and documented multiple DCS and PLC programs and proved this software during on-site start up of both batch and continuous plants.
- ◆ Successfully designed PLC and DCS wiring packages consisting of up to 500 loops.
- ◆ Prepared specifications, requested and evaluated bids and purchased over three million dollars in instrumentation.
- ◆ Led corporate reviews of mechanical, electrical, and civil drawing packages to ensure continuity and minimized start-up problems in the field.

Mark III, Inc., Air Pollution Services Group, Troy, AL  
Summer Field Engineer

Summer 1988

Alabama Power Company, Miller Steam Plant, Graysville, AL  
Summer Engineer

Summer 1986

**EDUCATION and TRAINING**

The University of South Carolina, Columbia, South Carolina.  
Master of Business Administration received August, 1995. GPA: 3.6(4.0)

The University of Alabama, Tuscaloosa, Alabama.  
Bachelor of Science in Electrical Engineering received December, 1988. GPA: 3.2(4.0)

CMRA's Enhanced Competitive Analysis and Competitive Strategies Course  
Dun & Bradstreet's Analyzing Financial Statements Seminar  
Albemarle's Leadership Development Program

**HONORS AND ACTIVITIES**

Treasurer-Eta Kappa Nu (Engineering Honor Society)	Tau Beta Pi (Engineering Honor Society)
Golden Key National Honor Society	Dean's List
William S. Thorton Scholarship (Walker College)	Private Pilot (Received License 12/16/89)

**Darrin R. Hinds**

133 Old Canoy Lane

Home (229) 759-0004

**Working Knowledge of Market Research Agencies and Secondary Information Sources**

I have worked with and utilized published market research reports by the following agencies:

- ◆ SRI Consulting
- ◆ CRU International (Aluminum and Alumina, Basic Chemicals)
- ◆ British Sulphur (Potassium and Phosphorus, Basic Chemicals)
- ◆ Harriman Chemsult (Chlor-Alkali)
- ◆ Tecnon and Anorganica (Chlor-Alkali, Ethylene, EDC, Crude oil)
- ◆ CMAI (Chlor-Alkali, Ethylene, EDC, PVC, Crude Oil)
- ◆ Chemical Market Resources
- ◆ Phillip Townsend & Associates
- ◆ American Forest and Paper Association (Pulp and Paper Production)
- ◆ Pulp and Paper (Pulp and Paper Production)

I have worked with and utilized the following secondary information sources:

- ◆ PIERS – Journal of Commerce
- ◆ TIOS – Import/Export Data
- ◆ Mansville Chemical Abstracts
- ◆ Lexis-Nexis
- ◆ Internet

**Working Knowledge of Engineering & Technician Management, Project, Controls and Electrical Systems**

I employed the following programs/procedures as a project/controls manager:

- ◆ Adhered to Albemarle's ISO9001 project procedures  
(Albemarle was the first internal Engineering Organization to receive ISO9001 certification)
- ◆ Utilized MS Project to schedule and track project progress
- ◆ Developed study, order-of-magnitude and speculative grade estimates with Lotus spreadsheet
- ◆ Purchased all capital equipment using SAP/R3
- ◆ Developed engineering and technician skill matrix tracking procedure
- ◆ Utilized installation and operational qualification protocols and change management process for FDA governed processes

I have specified, purchased, and configured the following control equipment and associated drawings:

- ◆ Honeywell TDC3000 (Advanced Multifunction Controller series) and Bailey Infi-90 DCS(s)
  - I/O interface card to field terminal panel drawings
  - Field wiring (junction box to field device) drawings
  - Loop drawings
- ◆ Siemens 505, Modicon 984, Allen-Bradley PLC-5 & SLC 500, and GE Fanuc series PLCs
  - I/O card to field termination panel drawings
  - Field wiring (junction box to field device) drawings
  - Loop drawings
- ◆ Allen Bradley 1394 and Delta Tau PMAC VME Servo Controllers
- ◆ Moore Products 350 and 380 series single loop controllers
- ◆ Rosemount and Foxboro field transmitters
- ◆ Enertec Continuous Emission Monitoring System (BIF) control system
- ◆ Cleaver-Brooks, Honeywell, and North American boiler control equipment

I have specified, purchased, and configured the following electrical equipment and associated drawings:

- ◆ GE and Westinghouse motor control equipment
  - One line diagrams
  - Motor starter schematics
  - Grounding diagrams
  - Conduit schedules
- ◆ Crouse-Hinds electrical and lighting products
  - Lighting and power distribution drawings
  - Conduit routing drawings
  - Area classification drawings

## **Wail M. Idris**

### *Permanent Address:*

P.O. BOX 861548  
Tuscaloosa, AL 35486  
205-462-0432  
[wail10@yahoo.com](mailto:wail10@yahoo.com)

**Education** University of Alabama Tuscaloosa, U.S.A.  
Bachelor of science: Electrical Engineering/Computer Engineering option

**Experience** Junior Field Engineer Schlumberger-Wireline (Rock Springs, WY)

- Field Engineer position is a demanding, hands-on job involving complex technology utilized to optimize solutions for Energy companies. The information and services field engineer provide helps clients locate, evaluate, and produce oil and gas reservoirs more efficiently.

Testing Over current protective relays (senior Capstone project spring 2000)

- Designed and built a timing device to measure the tripping time of relays using simple cost effective logic circuits and IC's
- Achieved high accuracy result with design

Senior computer troubleshooter and supervisor, Touch & Technology Computer Company (1997-1998)

- Started first Internet café in Sudan
- Performed several computer hard ware upgrades
- Worked with a team to establish several computer networks (LAN)

Intern Sudan Airways instruments lab and workshop (summer 1996)  
Khartoum, Sudan

- Gained a hand on experience with highly sensitive equipment
- Developed excellent communications and teamwork skills

**Skills** PC computers (hardware and software), Matlab, Fortran, C, C++, Graphics-OpenGL, VHDL, AHDL, Assembly language, MS Dos, Windows9x & NT, Microsoft Office (Word, Excel, PowerPoint), MS Works, Skilled at using the Internet (hidden Web) for research and creating WebPages.

**Activities** The Institute of Electrical and Electronics Engineers (IEEE)  
Traveled to the United Kingdom, Germany, France, Switzerland, Greece, Morocco, Egypt, and the USA  
Enjoy horse riding and soccer



# *Reuvani Kamtaprasad*

600 Augustine Court,  
Oviedo, Florida, 32765

(407) 366-5440  
Reuvani123@hotmail.com

## ❖ Objective:

1. To discover the applications of wireless communication and to acquire an internship position where I can gain insight and experience in the electrical engineering field.
2. To attain a networking position, where I can utilize and further enhance my knowledge of computer networking.

## ❖ Experience:

Cisco Internship- July-August 2001 Queens, New York

- Assisting in the development and design of a LAN using routers and switches
- Administrating network processes
- Troubleshooting network problems
- Setting up and loading software on MAC and PC computers
- Participating in CeBit America Technology Show as a Cisco/NYCDOE representative (Jacob Javitz Center, NYC)

Youth Employment Program- July-August 2000 Queens, New York

- Computer Input and Word Processing
- Switch Board Operations
- Customer Service Skills

## ❖ Education:

- Thomas Edison Vocational and Technical HS, 3.8 GPA
- First-Year UCF Electrical Engineering Major-Plan to focus on Wireless Communication
- Cisco Certified Network Associate (CCNA)
- First Robotics Competition 2001-2003: experience in PBASIC configurations, pneumatics, electrical installation etc.
- President's Education Award Program: Recognized for Outstanding Academic Excellence
- Excellence in Physics- Thomas Edison HS
- Society for Women Engineers-first year member

## ❖ Reference: Available Upon Request

## **Richard R. Kulbacki**

572 26<sup>th</sup> Street  
Tuscaloosa, AL 35401  
(205) 349-1783

### **EDUCATION**

**Bachelors Degree:** Electrical Engineering, Expected August 2004  
University of Alabama, Tuscaloosa AL  
Current GPA: 3.4 /4.0

**Associates Degree:** Biomedical Equipment Technology, August 1995  
Pennsylvania State University, Beaver PA  
GPA: 3.9/4.0

**Associates Degree:** Electrical Engineering Technology, May 1994  
Pennsylvania State University, New Kensington PA  
GPA: 3.5/4.0

### **EXPERIENCE**

#### **Technology Manager, July 2000 – May 2001**

Premier Inc.

Terrebonne General Medical Center, Houma, Louisiana

- Prepared administrative and safety reports on a monthly and annual basis
- Supervised four technicians
- Maintained department based on JCAHO and Premier standards
- Maintained department budget with a favorable excess
- Reviewed service contracts

#### **Biomedical Supervisor, December 1998 - July 2000**

Premier Inc.

Beebe Medical Center, Lewes, Delaware

- Performed functions of Biomedical Technician (see below)
- Verified integrity of inventory for the Y2K; organized upgrades or other remedies, where necessary
- Acted as departmental representative for Safety, Management and Y2K meetings
- Prepared administrative and safety reports on a monthly and annual basis
- Supervised two technicians
- Maintained department based on JCAHO and Premier standards
- Maintained department budget with a favorable excess
- Improved customer satisfaction level from 65% to 85%
- Improved Quality Management Survey from 79% to 94%

#### **Biomedical Technician, August 1995 - December 1998**

Premier Inc.

Shore Health Services, Inc., Nassawadox, Virginia

(June 1996-December 1998)

Peninsula Regional Medical Center, Salisbury, Maryland

(February 1996-June 1996)

Helix Health, Church Hospital, Baltimore, Maryland

(August 1995-February 1996)

- Responded to calls from hospital staff to repair and maintain various biomedical and imaging equipment
- Performed preventative maintenance on all equipment
- Prepared administrative reports and participated on safety committee

**Intern, May 1995 - August 1995**

The Medical Center

Beaver, Pennsylvania

- Participated in the repair and preventive maintenance of clinical and diagnostic hospital equipment
- Assisted in research used to develop hospital's cellular phone policy
- Completed 400 hours for internship

**Sergeant/E5 October 1990 – April 1993**

U.S. Army Reserve

Pittsburgh, PA

- Supervised the operation and maintenance of a mobile communications center

**Specialist/E4 August 1987 – August 1990**

U.S. Army

Vicenza, Italy

- Operated and maintained a mobile communications center

## **RELEVANT COURSES/ TRAINING**

- Power Systems, currently enrolled
- Control Systems, currently enrolled
- Communications I, May 2003
- Steris, System 1 Washer/Sterilizer, October 1995
- Puritan Bennett, 7200 Ventilators, May 1996
- Valleylab, Electro Surgery Unit, July 1996
- Ditec, Fundamentals of Servicing Diagnostic Imaging Systems, Level 1, July 1998
- Premier, Technology Management, Level 1, April 1999
- Premier, Technology Management, Level 2, November 2000

## **COMPUTER EXPERIENCE**

- Windows, Microsoft Word, Microsoft Excell, Microsoft Access, Microsoft Powerpoint, C++, Dos, Matlab, PSpice,

## **HONORS**

- President's List
- Dean's List
- General Academic Scholarship
- Eta Kappa Nu, Electrical Engineering Honor Society
- Tau Beta Pi, Engineering Honor Society

## **REFERENCES**

Available upon request

**KALON R. LADD**  
**redguardian99@hotmail.com**

Current Address:  
601 11<sup>th</sup> Street Apt. #133  
Tuscaloosa, AL 35401  
(618) 972-5051

Permanent Address:  
2006 Woodstream Drive  
O'Fallon, IL 62269  
(618) 624-5091

**EDUCATION**

**Bachelor of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: May 2004  
MAJ GPA 2.2/4.0

**Associates of Science: Engineering**  
Southwestern Illinois College, Belleville, Illinois  
Graduated: July 2002  
GPA 3.0/4.0

**EXPERIENCE**

**Peer Advisor, January 2001-July 2001**  
Southwestern Illinois College, Counseling Center, Belleville, Illinois.  
Assisted students with organization of their schedules, direction throughout the college, and setting their educational goals. Answered questions about the school via the phone. Scheduled appointments for students who wanted to speak to a counselor. Input information into database using Excel. Filed documents.

**Office Work-Volunteer, June 2000-December 2000**  
375<sup>th</sup> Medical Group, Human Resources, Scott A.F.B., Illinois.  
Input information into database using Access. Filed documents. Ran errands.  
Answered phone and took messages.

**Vendor Stocker, April 1997-February 1999**  
375<sup>th</sup> Commissary, Scott A.F.B., Illinois  
Unloaded items from warehouse. Stocked and categorized items on shelves. Maintained neatness and cleanliness of items and shelves.

**COMPUTER SKILLS**

Operating Systems (Windows 95-XP, DOS), Microsoft Office (Word, Excel, Access, PowerPoint, Internet Explorer, Outlook), Netscape Navigator, Multimedia Programs, PSpice, Multisim

**ACTIVITIES**

Institute of Electrical and Electronics Engineers  
National Society of Black Engineers  
Vice President's List (Southwestern Illinois College)  
Martial Arts: Tang Soo Doo (Black Belt), Shotokan (Black Belt), Tai Chi

**REFERENCES**

Available upon request

# JIMMY GASTON LARGE III

[large001@bama.ua.edu](mailto:large001@bama.ua.edu)

## Current Address:

607 Main St apt 307  
Northport, AL 35476  
(205) 758-4867

## Permanent Address:

425 Jackson Avenue  
Oneonta, AL 35121  
(205) 625-3401

## Education

The University of Alabama, Tuscaloosa, AL  
**Bachelor of Science: Electrical Engineering with Computer Engineering emphasis**  
**Minors: Computer Science & Criminal Justice**  
GPA: 2.7/4.0  
Expected Graduation Date: December 2003

## Experience

Jan. 2001 - Aug. 2002

**Co-op**, Southern Company, Birmingham, AL  
-Developed a VBA program to automate NERC coordination process, which reduced completion time by 75%  
-Aided in research for the completion of design manuals for combined cycle plants.  
-Devised reports using CAPTOR for fuse breaker study for Plant Vogtle.  
-Recruited prospective students for employment.  
-Organized talk sessions with other coops.  
-Planned plant tours and company overviews for new coops.

May 2001-Present

**Computer Science Tutor**, UA Athletic Department, Tuscaloosa, Alabama  
-Prepared athletes in proper study habits.  
-Explained and reviewed class notes.  
-Used programs to help teach athletes material.

May 2000-Aug. 2000

**Intern**, Southern Company, Birmingham, AL  
-Collected data and used VB for Applications to write programs for calculations.  
-Operated Wonderware software to create control screens for Plant Barry located in Mobile.  
-Maintained databases for Southern Company's DCS network.

## Computers

AutoCAD, Windows, Zetron, Oasis, HTML, Visual Basic 6.0, CAPTOR, STAUx, Frontpage, C++, WS FTP, Adobe Acrobat, Wonderware, PTW, Dreamweaver, JAVA, SPSS, Quark, PowerPoint, Word, Excel, ETAP, Publisher, Matlab, UNIX

## Leadership/

## Achievements

Student Outreach Program, **Coached** 6 & 7 year olds at YMCA, **Ambassador** to the College of Engineering, University of Alabama National Alumni Association Scholarship (Blount County), **Dean's List** (2000), NSBE (membership & telecommunications chair 1999,2000), **President** of NSBE (2002), past **Chairman** of Student Reaction Committee for Organization for Developing Leadership (Southern Co.), BFSa recognition for 2001-2001 **Multiple Honors**, IEEE, **serve** as a member of the President's Standing Committee for Information Technology for the UA, **tutor and mentor** at UA-NSBE T.O.R.C.H center, **mentor** for the Tuscaloosa Center for Technology

## References

Available upon request

## MANNY S. LEBITA

manny.s.lebita@ua.edu

Current Address:  
210 15<sup>th</sup> Street East, Apt. #52  
Tuscaloosa, AL 35401  
205-613-3792

Permanent Address:  
832 Riverchase Parkway West  
Birmingham, AL 35244  
205-988-8176

- Objective** To obtain an entry-level position in the field of electrical/computer engineering.
- Education** **Bachelor of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, AL  
Expected Graduation: May 2004  
Cumulative GPA 3.72/4.0  
Expected to take FE Exam: April 2004
- Experience** **Southern Nuclear Operating Company**  
Intern, Components Engineering Group, Birmingham, AL, May 2003 - August 2003
- Developed data-mining program for intensive temperature calculations
  - Developed system status indicator for equipment reliability project
  - Designed budget tracking system for equipment reliability project
  - Collaborated with engineers on new student training program
- Intern, Engineering Maintenance Department, Dothan, AL, May 2002 - August 2002
- Created new departmental website, improving group communication abilities by providing online forms for reporting maintenance issues
  - Worked on maintenance trending of cyclone separator used in river water intake structure
- Intern, Engineering Support Department, Dothan, AL, May 2001 - August 2001
- Worked on trending analysis of air filter unit
  - Worked on database for use with tracking plant equipment status
  - Created new departmental website
- The University of Alabama**  
Math/Science Tutor, Tuscaloosa, AL, October 2001-May 2002
- Tutored students in calculus, physics, chemistry, and other freshman-level engineering courses
  - Served as teaching assistant for general physics course
- Computer Skills** Working knowledge of Windows 95/98/NT/2000/XP, DOS, Microsoft Office Suite (Word, Excel, PowerPoint, Access, FrontPage, Publisher), Adobe Photoshop, Adobe Illustrator, Maple, Matlab, PSpice, C++, HTML, Java, Visual Basic, Assembly
- Activities** Active member of Institute of Electrical and Electronics Engineers (IEEE)
- Active member of Filipino-American Association of Greater Birmingham
- Organized numerous group functions including Christmas Parties, Fundraisers, Independence Day Parties, Charity Events
  - Participated in Community Service Programs through Soup Kitchens and Birmingham Catholic Center of Concern
- References** Available upon request

# MIKE P. LEJEUNE

Current Address:  
632 23<sup>rd</sup> St. E Apt# 31D  
Tuscaloosa, Alabama 35401  
(205) 343-2498  
lejeu001@bama.ua.edu

Permanent Address:  
38286 Lakeview Court  
Prairieville, Louisiana 70769  
(225) 677-5112

**OBJECTIVE:** To obtain an entry-level position in the engineering industry with an emphasis on problem solving and a future in engineering management

**EDUCATION:** **Bachelor of Science: Electrical Engineering**

- The University of Alabama, Tuscaloosa, Alabama
- Expected Graduation: May 2004
- Overall GPA: 4.0/4.0 Major GPA: 4.0/4.0

**EXPERIENCE:** **Engineering Co-op Student, Summer 2001 and Spring 2002**

- BellSouth Telephone Company, Winston-Salem, North Carolina and Birmingham, Alabama
- Derived ways to provide telephone service to various customers
- Drafted prints via AutoCAD explaining what work was needed and how it was to be completed
- Created a variety of tables using Excel
- Specialized in troubleshooting DSL technical problems
- Developed ways to make DSL available to more customers

**TIDE Tutor, Fall 2001**

- University of Alabama, Tuscaloosa, Alabama
- Supervised students in labs
- Assisted students in many subjects including lower and upper-level math, physics, and computer programming

**COMPUTERS:** C/C++, AutoCAD, Electronics Workbench, MultiSim, Microsoft Word, Microsoft Power Point, Microsoft Excel, Internet, Works, Maple, Windows, Dos, Lotus, and Matlab

**LEADERSHIP:** Presidential and Freshman Engineering Scholarship recipient  
Kimberly-Clark Scholarship recipient  
Ambassador of the College of Engineering  
Fred R. Maxwell Jr. Engineering Prize  
Tau Beta Pi Outstanding Sophomore Award  
Freshman Forum  
Eta Kappa Nu, Chapter President

**REFERENCES:** Available upon request

National dean's list  
Golden key



## Brooks A. Lombardy

BL6547@labs.eng.ua.edu

5605 Inverness Place  
Northport, AL 35473  
(205) 330-2430

---

I am applying for an Electrical/Computer Engineering Position. I have a strong background in both hardware and software applications, and I feel that I can accomplish any task given to me. I am very flexible and able to relocate.

### EDUCATION

Major: Electrical / Computer Engineering

The University of Alabama

Cumulative GPA: 3.0/4.0

Expected Date of Graduation:

August 2002

### EXPERIENCE

January 1999- **Webmaster**, University of Alabama Distance Education Department  
Present Tuscaloosa, AL

- Design, implement, and maintain accredited internet courses and informational pages for the University of Alabama Distance Education Department
- Design and implement new ideas for courses such as CD-ROM lecture supplements and class discussion boards
- Maintenance of Computer hardware

July 1988- **IITS Technical Room Coordinator**, University of Alabama IITS  
January 1999 Tuscaloosa, AL

- Setup, test, and troubleshoot IITS equipment

August 1995- **Bio-Medical Equipment Repairer**, US Army Reserves  
Present 75<sup>th</sup> Combat Support Hospital  
Tuscaloosa, Alabama

- Install, service, calibrate, and test Bio-Medical Equipment
- Train soldiers in the proper use, safety, and care of equipment

### COMPUTER

**Operating Environments** : Windows & UNIX

### EXPERIENCE

**Languages** : C++, 80X86 Assembly, HTML, VHDL, Visual Basic, JavaScript, ASP, SQL, OpenGL

**Design Software** : All Macromedia products, MS Office, Visual Studio, MAX+PLUS II

### HONORS and ACTIVITIES

Eta Kappa Nu National Honor Society of Electrical Engineers  
Institute of Electrical and Electronics Engineers  
University of Alabama Dean's List, Summer 1998  
United States Army Academic Achievement Awards, 1995

**OBJECTIVE:**

- Embedded Software Design/Test with Microprocessor, C and Assembly Language
- VLSI Design, ASIC Design
- System Software Design with C/C++ on Linux/Unix or Real-time OS

**EDUCATION:**

08/00 – 12/02 University of Alabama, Tuscaloosa

**M.S. in Electrical & Computer Engineering**

GPA: 4.0

Research Area: Digital Signal Processing and Wireless Communications

Teaching Assignment:

- Lab Instructor for ECE383 – Microcontroller (Motorola 68HC12)
- Lab Instructor for ECE409 – Digital Communications

Core Courses Taken:

Programmable Logic Controller	Digital Integrated Circuits Design (VLSI)
Computer Architecture	DSP Hardware & Applications (TMS320C2x)
Digital Communications	Operating System
Database Management	Computer Communications Network

Sit-in Courses:

Software Engineering	Java Programming
----------------------	------------------

09/92 – 07/96 National University of Defense Technology, China, PRC

**B.S. in Electronic Engineering**

GPA: 84.8/100

Specialized Area: Digital Signal Processing

**PROFESSIONAL EXPERIENCE:**

06/01 – 08/01 **AT&T Labs-Research, Broadband Wireless System Research Dept.**, Middletown, NJ

Position: Software Engineer Intern

- Common Password Server Project  
Implemented a Password Encryption HTTP server (AT&T patent, providing online password encryption with SHA algorithm) with C, Multi-thread and JavaScript on Solaris.

01/99 – 08/00 **Motorola-ICT Joint R&D Lab (JDL)**, Beijing, China

Position: Software Engineer

- Firewall Project  
Implemented several network proxy servers (Telnet, HTTP, and SMTP) on Linux with C.
- Router Project  
Implemented several TCP/IP protocols (TFTP, Telnet, and Ping) for the embedded Router system using C++ on VxWork and Motorola MPC860 board.
- Data-Broadcasting System Project  
Developed a prototype HTML browser for Set-top Box with C on stLite and ST Chipset.
- Digital Satellite Receiver Project  
Took part in the development of Digital Satellite Receiver with C on ST Chipset.

# Lei Luo

---

1103, 14<sup>th</sup> ST, APT.30A  
Tuscaloosa, AL 35401  
(205) 759-2402  
Luo005@bama.ua.edu

05/98 – 01/99 **NCR China Ltd.**, Beijing, China

Position: Software Engineer (Contractor)

- Y2K Project  
Migrated NCR's legacy Automatic Teller Machine (ATM) software from LPI-COBOL to Micro Focus COBOL. Developed tools for migration using Unix Shell and field-tested the whole ATM system for timing problems. Developed the communication software for ATM backend server with C.

07/96 – 05/98 **Beijing Institute of Space-Medico Engineering**, Beijing, China

Position: Software Engineer

- Developed handheld device with 80C51 Micro-controller and Assembly Language.
- Developed analytical software with Visual C++ for medical experiment "Efficiency Evaluation on Condition of Noise" and "Sleeping Electroencephalogram (EEG) Analysis".
- Took part in the research project "Active Noise Control".

## SKILLS:

<b>Microprocessor</b>	—	TMS320C6211, Motorola 68HC12, Intel x86
<b>Design/Simulation Tools</b>	—	MAGIC, AHDL
<b>Languages</b>	—	C/C++, Assembly language, Java, JavaScript
<b>Assembler</b>	—	MASM6.0, NASM
<b>Operating System</b>	—	UNIX (Solaris, SVR4), Linux and Windows NT
<b>Real-time OS (RTOS)</b>	—	VxWork, stLite
<b>Programming Skill</b>	—	Socket, Multithread/Multiprocess, and IPC programming
<b>TCP/IP Protocol</b>	—	SMTP, HTTP, TFTP, TELNET, PING, etc

**ARISSA J. MADDEN**

1440 22<sup>nd</sup> Avenue East #24  
Tuscaloosa, AL 35404  
(205) 633-2982  
[madde009@bama.ua.edu](mailto:madde009@bama.ua.edu)

**EDUCATION**

**Master of Science: Electrical Engineering**

The University of Alabama, Tuscaloosa, AL

Expected Graduation: May 2004

Cumulative GPA: 4.0/4.0

*Thesis: VLSI Implementation of Fractal Image Compression  
Using Field-Programmable Gate Arrays*

**Bachelor of Science: Computer Engineering**

The University of South Alabama, Mobile, AL

Graduated: July 2002

Cumulative GPA: 3.3/4.0 EE GPA: 3.6/4.0

**EXPERIENCE**

**Graduate Teaching and Research Assistant, August 2002 - present**

**Electrical and Computer Engineering Department, The University of Alabama, Tuscaloosa, AL**

Instructor for Fundamentals of Digital Logic Design with VHDL course. Lab instructor for course on Motorola 68HC12 microcontroller. Lab instructor for Electronics I course. Research assistant for ABET EC2000 a-k Outcomes project.

**Assistant Membership Services Director, July 2001 - July 2002**

**Herring-Chandler Branch, YMCA of Metropolitan Mobile, Inc., Mobile, AL**

Assumed duties of membership services director in his/her absence. Was responsible for the management, scheduling, customer service training, and payroll for a crew of ten people. Accounted for receipt of monies for membership dues and various YMCA activities and made daily deposits. Scheduled monthly staff meetings and performance evaluations.

**Supplemental Instructor, January 2001 - May 2002**

**Computer Science Department, The University of South Alabama, Mobile, AL**

Tutored students in a Java Computer Programming class. Conducted test review sessions. Filled in as lecturer in the absence of the instructor.

**Electrical Engineering Co-Op, January 2001 - June 2001**

**BE&K Engineering, Mobile, AL**

Responsible for inventory of the electrical engineering department. Tested and evaluated proposed company software. Assisted electrical engineers with cataloging of International Paper project and initial design of OCI Chemical Plant. Assisted document control with the packaging and cataloging of company documents and project schematics.

**Student Assistant, May 2000 - December 2000**

**Admissions Office, The University of South Alabama, Mobile, AL**

Contributed to the recruitment of students to the University. Conducted campus tours on a daily basis. Assisted with bulk mailings to potential students. Aided with the recruitment of minority students and women to the electrical engineering department.

**SKILLS**

Competent in public speaking, oral and written technical communication, managing people, MatLab, MathCAD, assembly language microprocessors and microcontrollers, Motorola 68HC11, 68HC12, and 68000 families of microcontrollers, digital integrated circuit design and fabrication, digital image processing techniques, MAGIC, C/C++, Java, VHDL, Verilog HDL, Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Windows, Internet Explorer

**LEADERSHIP AND AWARDS**

Institute of Electrical and Electronics Engineers, Chapter Secretary  
National Society of Black Engineers, Chapter Membership Coordinator  
USA Southerners, Recording Secretary and Vice-President of Operations  
Delta Sigma Theta Sorority, Inc., Chapter Treasurer  
National Pan-Hellenic Council, Secretary

Freshmen Leadership Council, Vice-President  
Oprah Winfrey Scholarship recipient  
USA Presidential Scholarship  
Ronald McNair Award recipient  
President's List/Dean's List

## **STEVE A. MADRIE JR.**

333 9th Ave #2  
San Francisco, CA 94118  
(415) 668-6624 (Home)  
smadrie@yahoo.com

### **OBJECTIVE**

To obtain a position in industrial automation or a related field with the opportunity for advancement into project management.

### **EXPERIENCE**

#### **Field Support Engineer, Rockwell Automation, San Francisco, CA** January 2001 – Present

Provide on-site technical support, engineering solutions, and quoting in a project environment as well as engineering development including ladder logic, human machine interfaces and Visual Basic programming

- Lead Engineer - Kraft, Green Coffee Inventory Tracking – PLC5, Microsoft SQL Server, RSSql, and RSHistorian
- Lead Engineer – Surebean Corporation, 21CFR11 upgrade – RSView and Visual Basic for Applications
- On-site Support – Airforce, GMD – PLC5, ControlNet, Ethernet, and RSView
- On-site Support – Navy Aircraft Carrier – ControlLogix, ControlNet, Ethernet, and RSView
- On-site Support – Intel, Life Safety System – ControlLogix and ControlNet

#### **Network Technician, The University of Alabama, Tuscaloosa, AL**

August 2000 – December 2000

Installed network hardware, solved account problems, and troubleshoot hardware issues.

### **EDUCATION**

#### **Field Service Engineer Training, December 2001**

Rockwell Automation University, Euclid, OH

January – May 2001 - Field Support Training

Ladder logic programming and Rockwell hardware systems

October – December 2001 - Advanced Software Training

Database design, human machine interface (HMI) development, and Visual Basic programming

#### **Bachelor of Science in Electrical Engineering (Computer Option), December 2000**

The University of Alabama, Tuscaloosa, AL

#### **Associates of Science in Computer Science, May 1997**

Snead State Community College, Boaz, AL

### **COMPUTER SKILLS**

MSDOS, Windows 95/98/NT/2000/XP, Visual Basic 6.0, RSView32,  
RSLogix 5/500/5000, PanelBuilder32, RSNetWorx, RSSql

### **HONORS/ ACTIVITIES**

Passed the Alabama Fundamentals of Engineering Exam (Engineering Intern # EI 13465)  
Member of the Institute of Electrical And Electronics Engineers  
Conversation Partner at the English Language Institute, University of Alabama

### **REFERENCES**

Available upon request

# Rashad L.E. Madyun

13675 Old Greensboro Road  
Tuscaloosa, Alabama 35405

(205)344-5499  
Email: [madyu002@bama.ua.edu](mailto:madyu002@bama.ua.edu)

## OBJECTIVE

To obtain a challenging entry-level engineering position that will allow utilization of a wide range of well-developed skills.

## EDUCATION

**Bachelor of Science:** Electrical Engineering (Computer Engineering Option)

Minors: Math and Computer Science

The University Of Alabama, Tuscaloosa, Alabama

Expected Graduation: Spring 2004, GPA: 2.7/4.0

\*Worked part time to assist with college finances

## PROJECTS

### ECE 480 Introduction to Computer Engineering:

Used Altera Max+plus II software to implement and simulate, in VHSIC Hardware Description Language (VHDL), the controller for multicycle, hardwired microprocessor.

Created pipelined implementation of single cycle data path processor, using VHDL.

### ECE 380 Digital Computer Fundamentals:

Used Altera software to describe logic gate networks, entering them into CAD system by schematic capture, truth tables, waveforms, and VHDL.

Implemented a Binary Coded Decimal to seven segment display decoder.

### CS 357 Data Structures

Implemented in C++ and Java various types of sorting algorithms such as heap sort and bubble sort.

Devised a hashing function and table, to keep track of the location of stored data.

Created simulation programs by implementing different data structures such as AVL and binary trees, stacks, queues, heaps, priority heaps, and graphs.

### CS 426 Operating Systems

Wrote various programs in C using UNIX processes, threads, shared memory, and semaphores.

Learned algorithms for handling CPU scheduling, deadlocked and starved processes.

## COMPUTER SKILLS

C and C++

Altera Max+plus II

VHDL

UNIX

Matlab

Perl

Java

Linux

PSpice A/D

Microsoft Software Applications  
(Word, Excel, and Power Point)

## WORK EXPERIENCE

### Cashier and Photo Tech, Rite Aid, Tuscaloosa, Alabama

June 2000 to Present

Responsible for the development of pictures using the photo lab.

Customer relations and money handling.

### Enumerator, 2000 Census, Tuscaloosa, Alabama

March 2000

Given mapped area, delivered census evaluation forms to community residents.

### Sales Associate, Sunglass Hut, Tuscaloosa, Alabama

April 1998 to August 1999

Consistently surpassed all sales goals, dealt with money and customers.

Responsible for opening and closing procedures.

### Data Entry Clerk, Bank of Tuscaloosa, Tuscaloosa, Alabama

August 1998 to April 1999

Entered bank sales data such as number of loans and new customers for each month.

Responsible for creating reports and agendas for bank vice president.

REFERENCES AVAILABLE UPON REQUEST

# SHUNTE' T. MCCLELLAN, EIT

---

## PERMANENT ADDRESS

218 White Pine Ave.  
Walterboro, SC 29488  
(843) 893-2639

## LOCAL ADDRESS

950 Cherry St. Apt. D-7  
Pendleton, SC 29670  
(864) 356-7121  
mshunte@clemson.edu

---

## OBJECTIVE

To obtain an electrical engineering and/or technical sales permanent position that will utilize my analytical, technical and personal skills.

## EDUCATION

### Clemson University

*Major: Electrical Engineering, B. S.; Minor: Mathematics*  
Engineering in Training (EIT)

Clemson, SC  
12/ 2003

## RELATED COURSES

- Electromagnetics
- Principles of Management
- Signals and System
- Circuit and Analysis
- Digital and Logic Design
- Power Distribution
- Field Waves and Circuits
- Random Signal Analysis
- Electronics
- Microcomputer Interface
- Computer Programming /Organization

## COMPUTER SKILLS

**Software:** Microsoft Office XP, Microstation, LogicWorks, Pspice, Quattro Pro, Wordperfect, Mathematica, Matlab, Maple, AutoCAD 2000, Eudora, Lotus Notes, ORCAD  
**Languages:** C/C++, Assembly  
**Web Skills:** HTML, Netscape Navigator, Internet Explorer  
**Environments:** Windows 95/98/NT, UNIX, DOS, Sun Solaris

## EXPERIENCE

### Engineering Experience

#### Newport News Shipbuilding

Newport News, VA

*CO-OP Student: Integrated Communications and Networks (ICAN) Group* 01/2000 - 08/2000

- Configured ATM switches
- Created and maintain database of ship-wide communication and navigation equipment
- Assisted in design, implementation, and administration of network solutions using Solaris and Windows NT servers

#### Clemson University and Duke Energy

Clemson, SC

*Project W.I.S.E. (Women in Science and Engineering) Counselor*

06/2002, 6/2003

- Supervised a group of 5 campers as well as monitor the entire camp
- Assisted Clemson Professors with engineering demonstrations
- Provided tutoring with math and science homework and projects
- Motivated camper to consider engineering and science as a career

### General Work Experience

#### David Sparks and Associates

Clemson, SC

*Tele-researcher/marketer*

09/00 - Present

- Obtain information for various investment and banking customers
- Conduct research surveys via phone

#### Clemson University's Alumni Association

Clemson, SC

*Student Phonathoner*

08/99 - 12/99, 08/00 - Present

- Train new employees
- Update and maintain alumni records
- Organize special functions for alumni

## HONORS & ACTIVITIES

- Society of Women Engineers: Vice President 2002-2003, Convention Co-chair 2003
- National Society of Professional Engineers: Project Coordinator & Secretary
- National Society of Black Engineers: Pre-College Initiative Mentor 2001-2003
- Clemson Student Alumni Association 2003,2004

# CHRISTOPHER L. MESSICK

Current Address:  
3611 Rice Mine Road NE #110  
Tuscaloosa, AL 35406  
(205) 391-2770  
messickc@simplecom.net

Permanent Address:  
409 Dahlia Court  
Andalusia, AL 36420  
(334) 222-8750

**Objective** To obtain an entry level position as an Electrical or Computer Engineer with interest in research and development.

**Education** **Bachelor of Science: Electrical Engineering (Computer Engineering Option) with minors in Spanish, Computer Science, and Mathematics**

- The University of Alabama, Tuscaloosa, Alabama.
- Expected Graduation: December 2003.
- Cumulative GPA 2.7/4.0.
- Passed Fundamentals of Engineering Exam, April 2002.
- Design Project: "GUI for the TI-92 Plus."

**Pre-Engineering Program**

- Troy State University, Troy, Alabama.
- Transferred after one year.
- Cumulative GPA 3.1/4.0.
- Member of the honors program.
- Received Terry Johnson Memorial Scholarship.

**Experience** **The University of Alabama, Tuscaloosa, Alabama**  
**College of Education Technology Support Services**  
**(June 2000 – Present)**

- Troubleshoot/repair computer lab and faculty/staff hardware and software problems.
- Assisted with upgrades from Windows 95 to Windows 2000 and subsequent upgrade to Windows XP as well as other computer upgrades in the College of Education.

**Southeast Alabama Gas District (Winter 1998, Summers 1998 and 1997)**

- Repaired and maintained natural gas meters.
- Helped with up-keep of high pressure pipelines.
- Delivered and picked up gas meters from the other cities within the district.
- Other odd jobs as needed.

**Computer Skills** **Languages:** C/C++, FORTRAN, OpenGL, UML, VHDL, HTML. Familiar with Java, Visual C++.  
**Microsoft Office 2000 and XP:** Word, Excel, Access, PowerPoint, Outlook, FrontPage.  
**Operating Systems:** DOS, Windows 95/98/2000/XP, Linux, and UNIX.  
**Programs:** Microsoft Internet Explorer, Netscape Navigator, PSPICE.

**Leadership & Extracurricular** Institute of Electrical and Electronics Engineers (3 years)  
Association for Computing Machinery (2 years)  
University of Alabama Marching Band (3 years)  
Troy State University Marching Band (1 year)

**References** Available upon request.



# ANDREW D. MITCHELL

## Current Address:

1625 Hargrove Road East Apartment 705  
Tuscaloosa, Alabama 35405  
(205) 633-0137  
[mitch068@bama.ua.edu](mailto:mitch068@bama.ua.edu)

## Permanent Address:

775 County Road 489  
Lexington, Alabama 35648  
(256) 229-5437

## OBJECTIVE

To obtain an entry-level position in electrical engineering.

## EDUCATION

**Bachelor of Science:** Electrical Engineering  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: December 2003  
GPA: 2.701

University of Alabama, Huntsville  
Huntsville, Alabama  
Courses included math, physics, chemistry, etc.  
GPA: 3.159

## EXPERIENCE

**Computer Technician**, June 2003 – Present  
University of Alabama, Ferguson Center.  
Responsible for repairing and upgrading computers. Handled networking needs and installations.

**Intern**, Summers, 2001 and 2002  
Springfield Premium Natural Water, Inc., Bottling Plant, Rogersville, Alabama.  
Assisted in setup of water bottling plant. Revamped bottling machine and programmed main operating computer.

**Gas Station Attendant**, May 1999 – August 2001  
Newton's Market, Lexington, Alabama  
Sole attendant at full-service station. Accounts Payable, Receivables, Invoices, etc. Opened and closed store. Interacted with customers. Responsible for store security.

**McCafferty Farms**, May 1996 – Present  
Assisted in everyday farm tasks. Operated and maintained machinery such as tractors, mowers, rakes, balers, etc. Modernized poultry operation by adding computers, temperature sensors, timing devices, etc. Programmed computers by setting feed times, temperatures, light times, etc.

## COMPUTER SKILLS

C/C++, MS Word, MS Excel, MS Works, MS PowerPoint, MS Outlook, ORCAD/PSpice, MultiSIM/Electronics Workbench, Altera MaxPlusII, Windows 95-XP, MATLAB, WinZip, Assembly Language, Netscape Navigator, Internet Explorer, pdf.

## HONORS/ACTIVITIES

Institute of Electrical and Electronics Engineers  
Student Engineers' Association  
Future Alumni for Tradition and Excellence

Billy Gene Davis Scholarship  
Wallace King Memorial Scholarship  
Principles of Leadership Award

UAH Academic Scholarship

Member of Volunteer Bluegrass Band that plays for church and civic organizations  
Tutor friends and family in the areas of physics, mathematics, computers, etc.

## REFERENCES AVAILABLE UPON REQUEST

---

---

**STEPHEN W. MIZELLE**  
3550 Watermelon Road, Apt. 27B, Northport, AL 35473  
(205) 366-9848; [smizelle@sa.ua.edu](mailto:smizelle@sa.ua.edu)

---

---

## EXPERIENCE

- |   |                                  |                               |
|---|----------------------------------|-------------------------------|
| <b>Electrical Engineering Co-Op</b>   | <b>Southern Company Services</b> | <b>Summer 2002 and 2003</b>   |
| <ul style="list-style-type: none"><li>• Assisted Maintenance Planning/Technical Services</li><li>• Worked extensively in migration project from SRCM to Plant View</li><li>• Helped develop plant equipment and maintenance history database</li><li>• Developed marketing brochure for Routine Maintenance department</li><li>• Edited and converted work packages from MS Word to Adobe Acrobat 6.0</li><li>• Aided CBM personnel in vibration data collection and analysis</li><li>• Revised and updated PRO guidelines for use in power generation</li><li>• Helped increase usage of IWOMS</li><li>• Supervisor: Randy Jones, P.E.; <a href="mailto:rejones@southernco.com">rejones@southernco.com</a>; (205) 257-7303</li></ul>   |                                  |                               |
| <b>Electrical Engineering Co-Op</b>   | <b>Mississippi Power Company</b> | <b>Three terms, 1999-2001</b> |
| <ul style="list-style-type: none"><li>• Served as vibration technician for the start-up of Plant Daniel Combined Cycle Units 3 and 4</li><li>• Collected and analyzed vibration data for Daniel Units 1-4 and the Chevron co-generating facility</li><li>• Worked at co-generation plant during several outages and assisted in start-ups</li><li>• Inspected boiler and assisted boiler team during two extensive outages</li><li>• Developed and completed isolation valve tagging project to assist in monitoring heat rate at the plant</li><li>• Assisted in database set-up and collected baseline measurements for Daniel Combined Cycle Units 3 and 4</li><li>• Gained experience with motor/pump alignment using Rotalign; experience with pump performance testing</li><li>• Set up preliminary database for SOMS/Auto Tour</li><li>• Supervisor: Richard Johnson, P.E.; <a href="mailto:rajohnso@southernco.com">rajohnso@southernco.com</a>; (228) 474-3072</li></ul> |                                  |                               |
| <b>Technical Support Manager</b>  | <b>University of Alabama</b>     | <b>1999-Present</b>           |
| <ul style="list-style-type: none"><li>• Supervised three student employees in website development, troubleshooting, installation and repair of software, hardware and peripherals</li><li>• Acquired extensive experience with various components of PCs</li><li>• Supervisor: Carl Bacon; <a href="mailto:cbacon@sa.ua.edu">cbacon@sa.ua.edu</a>; (205) 348-8232</li><li>• Programs learned:<ul style="list-style-type: none"><li>  Microsoft Windows 95/98/NT/2000/XP/NT Server 4.0/2000 Server</li><li>  Novell networking software</li><li>  MS Office including Access, Excel, PowerPoint, FrontPage, Publisher, and Word</li><li>  Internet applications including Explorer and Netscape Navigator</li><li>  Adobe Acrobat, Photoshop and PageMaker</li><li>  MATLAB</li><li>  P-Spice</li><li>  Numerous other software and programs</li></ul></li></ul>   |                                  |                               |

## EDUCATION

- University of Alabama**
- Projected graduation: May 2004
  - Degree: Bachelor of Science in Electrical Engineering
  - Minor: Business
  - Student member of IEEE
  - Member of Gamma Beta Phi Honor Society

## Milton G. Montaque

Local Address:  
P.O. Box 863781  
Tuscaloosa, AL 35486  
(205) 347-3075  
[monta002@bama.ua.edu](mailto:monta002@bama.ua.edu)

Permanent Address:  
913 Erskine Street  
Montgomery, AL 36108  
home: (334) 262-1382  
cell: (334) 354-7664

**Objective** To obtain an entry level position at an engineering firm, and gain valuable real world knowledge and experience about electrical engineering.

**Education** **Bachelor of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: May 2004  
Cumulative GPA 2.76/4.00; EE GPA 2.50/4.00  
Hours Completed For Degree: 109/129, Senior Classification

**Experience** **Mathematics Tutor**, Aug 2002 - present  
Department of Mathematics, The University of Alabama, Tuscaloosa, Alabama  
  
Help students in varying math levels with their coursework. Setup make-up tests for students who never showed for their scheduled test. Assist with various office needs such as filing and entering information into a database.  
  
**Fire Safety Inspector**, Jan 2002 – May 2002  
Environmental Health & Safety, University of Alabama, Tuscaloosa, Alabama  
  
Inspecting emergency/exit lights. Inspecting/replacing fire extinguishers. Mapping locations of building's fire extinguishers, exits, and alarms  
  
**Desk Assistant**, Aug 2001-Jan 2002, Aug 2000-May 2001, Aug '99-May 2000  
Residential Life, University of Alabama, Tuscaloosa, Alabama  
  
Provide assistance to students and parents. Give tours to students and/or parents. Serve as a monitor of dorm lobby area. Direct serious problems students have through correct channels  
  
**Grill Worker**, May 2001-Aug 2001, May 2000-July 2000, May 1999-Aug 1999  
McDonald's, Montgomery, Alabama  
  
Made the sandwiches. Trained incoming workers. Assisted with opening/closing store down. Assisted with unloading delivery truck.  
  
**Computer skills:** Word, PowerPoint, Excel, Maple, Matlab, Altera, C++

# Paul L. Morley

morle001@bama.ua.edu

Current Address:  
1419 9th St.  
Tuscaloosa, Alabama  
35401  
(205) 886-8236

Permanent Address:  
2540 Saratoga Lane  
Tuscaloosa, Alabama  
35401  
(205) 758-8551

## Education

**Master's of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: May 2004  
Cumulative GPA 3.4/4.0

**Bachelor of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Graduated: August 2001  
Cumulative GPA 3.17/4.0

**Master's Thesis**      A Comparison of the Available Bandwidth between Multilevel Inverters and the H-Bridge.

**Undergraduate Design Projects**      Fabrication of a Three-Phase Inverter, IEEE Car Project: Fully Automated Robotic Vehicle

**Experience**

**Research Assistant**, May 2002 - May 2004, The University of Alabama, Tuscaloosa, Alabama

Developed an 11-level Multilevel Inverter. Designed a brushless dc motor drive. Fabricated transient circuit for relay system for an electric motor. Designed and fabricated power supplies. Used microcontrollers for motor drive algorithms.

**Networks Assistant**, August 2000 - August 2001, The University of Alabama, Tuscaloosa, Alabama

Assisted Systems Administrator in maintaining the University of Alabama's College of Engineering Computer Network. Included running network cable, imaging computers, and helping students.

**Engineering Co-op**, Fall 1998 - Summer 2000, TRW, Huntsville, Alabama

Developed LabView GPIB code and test equipment for the SPY 1 Contract. Developed an analysis software for the ACE Contract. Designed Macromedia FLASH animation for the NASA Training website. Mapped C code for the FRED Project.

**Teaching Assistant**, Fall 1999, The University of Alabama, Tuscaloosa, Alabama

Undergraduate Teaching Assistant for ECE 320 Introduction to Electrical Engineering. Wrote and delivered lectures. Assisted in help sessions for midterm reviews.

**Computers**      Microsoft Office, Windows, LabVIEW, PSpice, Cadence Layout, Cadence IsoPro, Matlab, Maple, Assembly, Reads51, LogixPro

**Leadership**      Institute of Electrical and Electronic Engineers (President '00 - '01), Eta Kappa Nu, Deans List, Gentlemen's Agreement

**Activities**      Performing and writing music, reading, rock climbing, mountain biking, hiking, photography, art

**References**      Available upon request

# Mark A. Newton

16580 Lone Oak Drive  
Buhl, Alabama 35446  
205/333-6923  
newt013@bama.ua.edu

---

## EDUCATION

**Bachelor of Science in Electrical Engineering, May 2003**  
University of Alabama, Tuscaloosa, Alabama, GPA: 3.032/4.0

**Electronic Principles, Communication and Navigation Avionic Systems**  
Keesler Air Force Base, Biloxi, Mississippi

## WORK EXPERIENCE

- 2001 to present      **Intramural Referee** *University of Alabama Recreation Department*
- ◆ Referee intramural sports activities including football, soccer, and softball
- 1997 to 2001      **Communication, Navigation, and Missions Systems Technician**  
*United States Air Force, 11<sup>th</sup> Bomb Squadron, Barksdale Air Force Base*
- ◆ Conduct maintenance on avionics systems and report or replace defective component or associated wiring
  - ◆ Lead troubleshooting technician for shop of over thirty technicians
  - ◆ Liaison between 11<sup>th</sup> Bomb Squadron and Department of Defense Contractors for proposed and on going B-52 aircraft modifications
  - ◆ Performed assigned duties as shift supervisor
- 1990 to 1996      **Digital Satellite and Security Installation Technician**  
*Professional Sound, Greenville, Alabama*
- ◆ Install and maintain home satellite and security systems
  - ◆ Accomplish checks on all installed systems
  - ◆ Maintained supply of equipment and products needed to perform daily activities

## SKILLS

- |                                  |                           |           |
|----------------------------------|---------------------------|-----------|
| ◆ C/C <sup>++</sup> Formatting   | ◆ Circuit Troubleshooting | ◆ VHDL    |
| ◆ Digital and Analog Multimeters | ◆ Oscilloscope            | ◆ Matlab  |
| ◆ Assembly Language              | ◆ CAD/CAM                 | ◆ Autocad |
| ◆ Spectrum Analyzer              | ◆ COBOL                   | ◆ FORTRAN |
| ◆ Time-domain Reflectometer      | ◆ Communications Systems  | ◆ BASIC   |
| ◆ Altera Max+Plus II             | ◆ Microsoft Office Suite  | ◆ DOS     |

## HONORS AND ACTIVITIES

- ◆ National Merit Scholar, 1992
- ◆ Member, Computer Based Honors Program, University of Alabama
- ◆ Avionics Specialist of the Month, September 1999
- ◆ Intramural Softball Coach, 11<sup>th</sup> Bomb Squadron
- ◆ Volunteer for Habitat for Humanity

**KELECHI OKWU**  
**Kele2001@aol.com**

**128 Horshoe Bend South**  
**Madison, AL 35758**  
**(256) 774-5521**

**Objective:** To obtain position

**Education:** **Bachelor of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation Date: May 2006  
GPA: 2.7/4.0

**Advanced Academic Diploma**  
Huntsville High School, Huntsville, Alabama  
Graduation Date: May 2001  
GPA: 3.3/4.0

**Computer Skills:** Microsoft Office, Microsoft Word, Microsoft Excel, Internet Explorer, Netscape Navigator, C++

**Experience:** **Student Assistant**, The University of Alabama, Tuscaloosa, Alabama  
August 2002-Present Interacted with students, faculty, staff, and visitors in the college of Engineering. Performed various office Tasks including phone, labels and errands.

June 2002-August 2002 **Cashier**, Wal-Mart, Madison, Alabama  
Assisting customers, handled transactions with money.

June 1998-August 2002 **Receptionist/Lab Assistant**, Okwu Associates Inc., Huntsville, Alabama  
  
Interacted with other companies. Performed various office tasks including phone, labels, errands, and placing orders. Assisted with bank transactions. Assisted with fiber optics and cable assemblies as necessary.

Dec. 2000-March 2001 **Cashier**, Carmike Cinemas, Huntsville, Alabama  
Assisting customers, handled transactions with money.

June 2000-Sept. 2000 Cashier, Funntasia Family Golf  
Customer Service, handled money.

**Activities/Honors:** Freshman Forum, Social Committee Chair  
Student Government Association, Diversity Committee  
Residence Hall Association, Senator  
High School Soccer Team, Team Captain  
Society of Women Engineers  
National Society of Black Engineers  
Chemistry Club  
Latin Club  
College Soccer Club Team  
African American Association  
Student Alumni Association

**References:** Available upon request

## **DANIEL W. PATTERSON**

603 Garv Circle  
Huntsville, AL 35803

DanielWPatterson@hotmail.com  
Home: (256) 881-3776  
Cell: (256) 348-2871

- Objective** To obtain an entry-level engineering position with a future in management. To use my current skills and those that I will gradually attain through life-long learning, to have a solid impact, beneficial and flexible to my employer.
- Education** **Bachelor of Science: Electrical Engineering**  
**Minor: Mathematics**  
The University of Alabama, Tuscaloosa, Alabama  
Obtained: August 2003  
Cumulative GPA 2.99/4.0  
Team Design Project with Power Point Presentations: Generation and Transmission System  
Included classes on RADAR and Communications
- Experience** **Engineering Intern, Summer 2001**  
Colsa Corporation, Advanced Research Center, Technical Support, Huntsville, Alabama
- Updated databases. Encountered professional problems from customers and employees and distributed remedial tasks amongst technicians, using computers and one-on-one communication. Often times assumed sole responsibility. Instructed new employees on the use of help desk software. Prepared weekly and biweekly statistical reports.
- Computers**, Windows, Macintosh, Word, Excel, Power Point, C++, typing (80 words per minute)
- Leadership** Capstone Scholar  
Institute of Electrical and Electronics Engineers  
Dean's List
- References** Available upon request

37 Judy Circle  
Sumiton, AL 35148

Phone: (205) 648-8689  
Cell phone: (205) 516-5544  
E-mail: [payne008@bama.ua.edu](mailto:payne008@bama.ua.edu)

# Jason Payne

---

- Objective** To obtain an engineering position that demands a well-formed knowledge of computers and their respective technologies.
- Education**
- Bachelor of Science in Electrical Engineering**  
2000-2003 The University of Alabama Tuscaloosa, AL
- Electrical engineering with a concentration in Computer engineering
  - Minor in mathematics
  - Expected graduation date: December 2003
  - GPA: 3.0
- Special projects: Efficiency of Threaded Assembly, Mobile Robot competition.
- 1998-1999 Bevill State Community College Sumiton/Jasper, AL  
Courses included: College Chemistry I & II, Microcomputer Applications, Physics with Calculus I
- Work Experience**
- Engineering Intern**  
June 2002-August 2002 Southern Mills, Inc. Senoia, GA
- reported to the head facilities engineer (at Plant Ellis) for Southern Mills
  - designed updated floor plans for multiple plants using AutoCAD 2000
  - proposed and developed a Gantt Chart for a manufacturing layout revision
- Landscaping worker**  
June 2001-August 2001 Total Lawn Care Sumiton, AL
- assisted in maintaining and modifying lawns and house scenery
- Inventory & Pharmacy assistant**  
1998-1999 David's Discount Pharmacy Sumiton, AL
- assisted pharmacist with prescription medicine
  - assisted in maintaining a consistent inventory
  - customer point of service
- Computer Skills** Windows 95-XP; AutoCAD 2000; Rational Rose; C/C++; Java; PSpice; VHDL; Microsoft Project 2000; Microsoft Word, Visual Basic, Excel, Power Point, Outlook, Internet Explorer
- Awards Received** Received the Phi Theta Kappa scholarship while at Bevill State, made the *Dean's List* all three semesters at Bevill State and one semester at the University of Alabama.
- Scholastic Assoc.** Phi Theta Kappa member
- Community Activities** Active member of Sumiton Church of God, youth choir member (2000-2001)
- References** Available upon request



## Steven Arnall Preyar

preya001@yahoo.com

Permanent Address  
1130 Jack Warner Parkway N.E. #7B  
Tuscaloosa, AL 35404  
(205) 553-4030

Local Address  
1130 Jack Warner Parkway N.E. #7B  
Tuscaloosa, AL 35404  
(205) 553-4030

### Education

Bachelor of Science in Electrical Engineering with Computer Engineering Option  
University of Alabama, Tuscaloosa, Alabama  
The College of Engineering is accredited by the Accreditation Board for Engineering and Technology (ABET)  
Received passing score on Fundamentals of Engineering Exam (FE)  
**Member, The Institute of Electrical and Electronics Engineers, Inc. (IEEE)**  
Date of Graduation: May 17, 2002  
Overall GPA: 3.2/4.0 Major GPA: 3.3/4.0

### Related Experience

#### **Co-op Engineer, ADTRAN, Inc., Huntsville, AL, 5/00 to 8/00 and 1/01 to 5/01**

- Performed testing procedures on upcoming products.
- Updated testing documents and procedures for new products.
- Assisted production engineers on product debugging.
- Conducted new co-op tours and orientation.
- Simple circuit board modifications.

#### **Restaurant Manager, Lonestar Steakhouse, Tuscaloosa, AL, 5/98 to 12/01**

- Hired new employees.
- Conducted new employee orientation and training.
- Kept inventory stocked and counted.
- Completed and organized all nightly office paperwork.

### **Important Classes**

- ECE488 Microcontrollers
- ECE483 Computer Graphics Design (OPENGL)
- CS415 Software Engineering Design
- CS325 Software Development Systems
- ECE326 Electric Networks
- ECE332 Electronics I
- ECE333 Electronics II

### **Important Projects**

- Capstone Design – Extended SRC Microprocessor
- Software Design – NADA Automated Database
- Graphics Design – 3D Model Fly Through Scene
- Software Development – Windows Battleship using Microsoft Foundation Classes

### **Computer Skills**

- Desktop Software: Microsoft Office, Adobe Acrobat 5.0, MATLAB, PSPICE schematic entry, Photoshop
- Operating Systems: MS-DOS, Microsoft Windows 3.1/95/98/ME/XP/NT
- Internet: Outlook Express, Netscape Communicator, Microsoft Internet Explorer
- Programming Languages: Assembly, Microsoft Visual C++, VHDL, OPENGL

# David A. Price

**Permanent Address**  
1501 9th Street Apt. 32  
Tuscaloosa, AL 35401  
(205) 366-1489

**Email Address**  
1dp@bellsouth.net

## OBJECTIVE

A challenging position in the computer/networking/information technology field

## EDUCATION

**Bachelor of Science in Electrical Engineering**, December 2002  
The University of Alabama, Tuscaloosa, AL  
Major: Electrical Engineering with Computer Engineering Option

## EXPERIENCE

**Lead Tape Operator**, April 2002-present  
IBM/OAO, Mercedes Benz US International, IT Department, Tuscaloosa, AL

- Assure complete backup of 100+ confidential servers and workstations
- Install motherboard, processor, memory, and all peripherals in IBM E series servers
- Aid in coordination of media inventory
- Deploy development Citrix stations for testing purposes
- Reduce operational costs by reclaiming and reusing media

**Engineering Network Assistant**, January 1999-present  
Engineering Network Services, The University of Alabama, Tuscaloosa, AL

- Install category-5 cable (pulling line, patch panel punch down, wall jack installation)
- Utilize Fluke Lan-meter to troubleshoot and diagnose network problems
- Create master image (OS+all utilities) and distribute on machines via imaging
- Execute software parameter changes to images based on preferences of professors
- Aid faculty and staff in hardware and software problems
- Set up and troubleshoot wireless connections with encryption
- Update Cisco Catalyst switch via telnet
- Assist in migration to active directory
- Create over 3500 student IDs and accounts each semester
- Assign appropriate rights to directories, print credits, etc. to student accounts
- Troubleshoot and repair lab machines and printers

**Cooperative Education**, May 1996-August 1998  
Intergraph Computer Systems, Huntsville, AL

- Compiled Windows NT 4.0 master disk for Beta systems
- Utilized logic analyzers on quad processor Pentium Pro's during troubleshooting
- Assisted in the design of Intergraph's first dual Pentium II processor motherboard
- Made BIOS adjustments for optimum results on system performance tests
- Programmed multiple BIOS EPROMS with optimized code
- Utilized Oscilloscopes to find and correct memory timing issues
- Participated in resource sharing with Sony's multimedia division
- Built prototype circuits using soldering iron
- Requested part numbers for new components
- Implemented modifications on motherboards due to Engineering Change Orders
- Resolved improper populations of networking connectors
- Interacted with group members in a team environment
- Served as liaison between engineering and manufacturing
- Communicated with diverse individuals

**HAWK Missile Systems Technician**, August 1992-March 1993

United States Army, Fort Bliss, Texas

- Obtained military security clearance
- Held supervisory position as platoon leader
- Qualified sharpshooter with M16 rifle
- Analyzed and repaired missile system's circuitry
- Formulated problem solving skills during Advanced Individual Training
- Received honorable discharge

**ACTIVITIES**

Institution of Electrical Engineers Member

Complete engine build of four engine types ( 2.4L I-4, 3.8L V6, 302 ci V8, 396 ci V8)

- Performed measurements of all critical clearances within the engines using appropriate tools (fe micrometers, etc.)
- Applied appropriate torque to each assembly fastener

# HAICHEN REN

REN002@BAMA.UA.EDU

WORK ADDRESS:  
Box 870286  
University of Alabama  
Tuscaloosa, AL 35487-0286  
(205)348-6386

HOME ADDRESS:  
UNIT B  
1309 1/2, 8TH AVE.  
Tuscaloosa, AL 35401  
(205)366-1952

## OBJECTIVE

A position involving embedded system design & application / DSP application / network design / network management / radio frequency engineering, or a position as a researcher with strong knowledge of communication networks, mobile communication systems and experience in project management

## HIGHLIGHTS

An aggressive communication engineer with four years working experience in China Mobile

- Expect to graduate in August 2003 with Master's degree of Computer Engineering
- Expect to graduate in May 2005 with Ph. D degree of Electrical and Computer Engineering
- Working on Embedded System Application as MSEE topic
- Solid background in C/C++, socket programming
- Strong with SS7 and Signaling Transfer Network design and project management
- Strong with GSM900/1800 network design and project management
- Solid background in CDMA communication system, TCP/IP network
- Strong with Computer Architecture and Digital Signal Processor applications
- Reputation for dedicated teamwork, high-energy work ethic, strong interpersonal skills

## EDUCATION

- UNIVERSITY OF ALABAMA - TUSCALOOSA, AL  
Master of Science (Expected May 2002)  
Major: Electrical Engineering      Minor: Computer Science  
Area of Concentration: Computer Architecture, Image Processing, Communication Networks  
GPA: 4.0/4.0 (up to now)
- NANJING UNIVERSITY OF POSTS & TELECOMMUNICATIONS - NANJING, CHINA  
Master of Engineering, May 1996  
Major: Communication and Electronics Systems  
Area of Concentration: Digital Mobile Communication Systems  
GPA: 3.9/4.0
- NANJING UNIVERSITY OF POSTS & TELECOMMUNICATIONS - NANJING, CHINA  
Bachelor of Engineering, June 1993  
Major: Communication Engineering

## RESEARCH

- "Morphological Image Processing Algorithms And Performance On Distributed NIOS Processors", current thesis topic
- "Performance Analysis and Configuration of GSM 900/1800 Network", Telecom Science, Vol.2, 1999, China
- "Trellis Coded Modulation Applying for GSM and CDMA Channel", thesis of MSEE, 1996 China

## HAICHEN REN

REN002@BAMA.UA.EDU

Page 2/2

### COURSEWORK

- Designed/implemented parallel morphological image processing algorithm on Altera NIOS soft core programmable logical processors
- Implementing a 32-bit one-bus RISC computer using VHDL on Altera FLEX10K evaluation board
- Implementing a 32-bit pipelined RISC computer using VHDL on Altera FLEX10K evaluation board
- Developed a simple SMTP server/client. Berkeley sockets were used to set up the connections
- Implemented a network game HEARTS using multithreads programming
- Simulated "Noise Canceller" with TMS320C240 DSP board
- Implemented a visual game MINE using VC++6.0
- Implemented a Calling-meter using Protel (CAD Tools) on PCB board

### GRADUATE ASSISTANTSHIP

- Teaching Assistant for "Electrical Networks" course  
Spring 2001, University of Alabama
- Teaching Assistant for "Signal and System" course  
Summer 2001, University of Alabama
- Teaching Assistant for "Digital Logic Design" course  
Fall 2001 & Spring 2002 & Fall 2002, University of Alabama
- Teaching Assistant for "Microcomputer" course  
Spring 2003, University of Alabama

### COMPUTER EXPERTISE

Operating Systems	Programming Languages	Software Packages
• WINDOWS 95/98	• C/C++	• Matlab, Maple
• WINDOWS 2000/XP	• Assembly	• MAX+plus II (VHDL)
• UNIX	• Java	• Quartus (VHDL)
	• Visual Basic	• Microsoft Office Suite

### EXPERIENCE

Jiangsu Mobile Communication Co., Ltd. -- Nanjing, China

One of Wholly-owned subsidiaries of China Mobile (Hong Kong) Limited, the largest public listed mobile telecommunications operator in China

Project manager	09/98 to 04/00
Team leader	01/97 to 09/98
Engineer	06/96 to 12/96

- Assisted for Jiangsu GSM900 2<sup>nd</sup> expansion projects in 1996
- Worked for Jiangsu GSM900 3<sup>rd</sup> expansion projects in 1997
- Managed Jiangsu 1<sup>st</sup> LSTP (Low Signaling Transfer Point) network project in 1998
- Managed Jiangsu GSM1800 1<sup>st</sup> project in 1999
- Coordinated the A-interface and E-interface test between Ericsson and Alcatel system in 1999
- Assisted Jiangsu 1<sup>st</sup> IN (Intelligent Network) and 1<sup>st</sup> DCN (Data Communication Network) projects in 1999
- Superior performance resulted in earning two promotions in less than 3 years
- Received prestigious company awards -- "Excellent Employee" 1998 and 1999

**DENNYS M. RONDÓN**

drondon@ieee.org

2800 McFarland Blvd. E. Apt. 1206. Tuscaloosa, AL 35405. (205) 633-5179

- OBJECTIVE** To obtain an entry-level position in the Electrical Engineering industry.
- EDUCATION** **Masters of Science in Electrical Engineering, August 2003**  
The University of Alabama, Tuscaloosa, Alabama  
EE GPA 3.34/4.0; Cumulative GPA 2.90/4.0
- Bachelor of Science in Electronic Engineering, December 1999**  
Universidad Nacional Experimental "Antonio José de Sucre"  
Puerto Ordaz, Venezuela  
Cumulative GPA 3.04/4.0
- EXPERIENCE** **Graduate Teaching Assistant, August 2000 to May 2001**  
University of Alabama, Tuscaloosa, Alabama  
Assisted professors in test and homework grading  
Tutored students in Electrical Circuits course in classroom setting
- Electrical Engineering Intern, August 1999 to December 1999**  
CVG Venalum. Puerto Ordaz, Venezuela
- Analyzed impact of heavy polluted environment on the electronic controller card of the Hydroaluminum Adaptive Control System in charge of the primary aluminum production process
  - Created guide for the memory upgrade procedures on the control system card
- Electrical Engineering Intern, August 1998 to December 1998**  
CVG Edelca. Puerto Ordaz, Venezuela  
Created instruction manual to locate failures in the gate pulse generator cards of an 800KV solid-state Static Var Compensators
- COMPUTER SKILLS** **Programming Languages:** Visual C/C++, Assembly Language, VHDL  
**Operating Systems:** DOS, UNIX, Linux, Windows 95/98/NT/2000/XP  
**Applications:** Max+PlusII, MATLAB, Genesys, System View, Magic, MS Excel, MS Word, Power Point, Adobe Acrobat  
**Internet:** MS FrontPage, Netscape Navigator, MS Internet Explorer, MS Outlook, Mozilla
- LANGUAGES:** Spanish (native), English (excellent)
- PROFESSIONAL ACTIVITIES** IEEE Communications Society member  
IEEE Computer Society member

# LUISA RUNYON

---

375 S. Randolph #410 • Brea, CA 92821 • (714) 813-5323

Email: [lrunyon@csupomona.edu](mailto:lrunyon@csupomona.edu)

Website: [www.csupomona.edu/~lrunyon](http://www.csupomona.edu/~lrunyon)

## OBJECTIVE

I am a motivated team player and self starter with resourceful problem-solving skills, strong communication skills, and an Electrical Engineering education looking for employment that will use my background and education to their fullest potential. I am willing to travel as required.

## EDUCATION

California State Polytechnic University, Pomona

Bachelor of Science in Electrical Engineering January 2004

## ELECTRICAL ENGINEERING SENIOR PROJECT

Project Goal – As a team, developed a high-throughput digital media server for video-on-demand service for Rockwell Collins Corporation. A redundant array of five Inexpensive Disks (RAID) was used to provide a high throughput digital media server, which is capable of providing video-on-demand service for 255 passengers. A C++ program was developed to generate SCSI commands to read a whole track of disk data to maximize the disk throughput. Participated in project status meetings with a project team (consisting of sixteen members) and Rockwell Collins management. The project team was split into three sub-groups: read, write, and queue. Our group was assigned to the program read development whose primary objective was to develop the read portion of the C++ program. Project successfully completed June 2002.

## EXPERIENCE

### Instructional Technology Assistant

November 2000 – Present

California State Polytechnic University, Pomona

- Under limited supervision was assigned a leadership role to successfully re-develop the Jumpstart Web Development program. My group increased customer demand for program by 18%. The Jumpstart program became a successful strategic initiative for the business unit to increase new customer demand for services
- Instructed end users on multiple computer subjects specializing in web page design and web development software applications
- Met one on one with University faculty to instruct how to design web pages and use software applications

## **Leasing Administrator**

May 1990 – January 1997

General Motors Acceptance Corporation, Irvine/Santa Ana

- Supervised three account representatives
- Worked with the general public processing car loans and car leases
- Maintained over 20,000 Southern Orange County lease accounts
- Worked closely with corporate attorneys, contracted parties, and Southern Orange County GM Dealers

## **COMPUTER SKILLS**

- Familiar with C++, Java, Verilog Pro, MatLab, PSpice
- Macromedia Dreamweaver MX, Macromedia Flash, Adobe Photoshop, Adobe Acrobat, Microsoft Office Suites

## **MILITARY**

United States Marine Corps

MOS – Communications

I attended Communications and Electronics school in Twenty-nine Palms, CA. Assigned to work in a secured unit - message center in Okinawa, Japan from 1987-1988. Transferred to Marine Corps Air Station El Toro and assigned to 3<sup>rd</sup> Marine Air Wing, G-4 and assisted in setting up LAN and WAN, basic computer repair, and computer inventory. In 1991 I was recalled to participate in the Gulf war and assigned to work at Camp Pendleton's main communication center.

Security Clearance: **Secret (1986, 1991)**

Honorable Discharge 1990

Gulf War Veteran Desert Shield/Desert Storm 1991

## **ACTIVITIES**

- Engineering Club Officers Retreat sponsored by the Engineering Council (May 2001, May 2002, May 2003) Volunteered to present a one-hour workshop to newly elected student leaders from thirty-six various engineering clubs on how to use Cal Poly Pomona's intranet and web services to improve inter-club communication, exchange information with student club members, and archive digital documents for future club officers
- Team Tech National Student Competition sponsored by the Society of Women Engineers (SWE) and the Boeing Company (2001 – 2002)
- Vice President of Cal Poly Pomona's Engineering Council (2000 – 2001)
- Engineering Council Representative of the Society of Women Engineers (1999 – 2000)



## KIMBERLY K. SAYLES

Current Address:  
P.O. Box 863951  
Tuscaloosa, Alabama 35486  
(205) 347-3274  
[sayle001@bama.ua.edu](mailto:sayle001@bama.ua.edu)

Permanent Address:  
P.O. Box 210843  
Montgomery, Alabama 36110  
(334) 395-6381

### **Objective**

To obtain a summer intern position in computer engineering or in the fields of computer science and statistical mathematics.

### **Education**

**Bachelor of Science: Electrical Engineering  
with concentration in Computer Engineering,  
Minor in Computer Science and Mathematics**  
The University of Alabama, Tuscaloosa,  
Alabama  
Expected Graduation: June 2004  
**Cumulative GPA: 3.7/4.0**

**Bachelor of Science: Computer Engineering  
(Pre-Engineering)**  
Auburn University Montgomery, Montgomery,  
Alabama  
Attendance Time: August 1999 – July 2001

### **Related Coursework:**

Design Project: Parking Lot Design – Maximized the number of parking spaces in a particular lot.  
Design Project: Tennis Ball Launcher – Designed to maximize distance and launch a ball a given distance.  
Design Project: CNG Tank – Designed a compressed natural gas tank to fit a selected automobile.

### **Experience**

**Cashier**, September 1998- August 2001  
Winn Dixie, Montgomery, Alabama.  
Greet customers. Assist customers with finding items. Ring up items in the computer systems correctly.  
Give correct change to the customer. Keep a running count of monies handled.

**Textbook Clerk**, July 2002 - August 2002

University Supply Store, Tuscaloosa, Alabama.  
Stock textbooks. Assist customer with finding class materials. Placing orders with book suppliers.

### **Computer Skills**

C++, Windows, Word, Excel, Power Point, FORTRAN, Matlab, Java

### **Honors/ Activities**

Institute of Electrical and Electronic Engineers (IEEE)  
Society of Women Engineers (SWE)  
National Society of Black Engineers (NSBE)  
Tutoring and mentoring, Alberta Elementary School  
SWE / General Motors Scholarship (UA)  
Council of Partners Scholarship (UA)  
Dean's List – University of Alabama (UA)  
Academic Excellence Award – Black Faculty and Staff Association (UA)  
Academic Achievement Award-University Honors Program (UA)

Tutoring, Eastwood Middle School – NSBE  
Donald W. Bell Scholarship (UA)  
ALCOA Foundation Scholarship (UA)  
Drummond Co. Scholarship (UA)  
3M Scholarship (UA)  
Participant in Student Introduction to Engineering Program (UA)  
Dean's List-Auburn University in Montgomery (AUM)  
James Folmar Scholarship (AUM)  
Honorable Mention-English Essay Competition (AUM)  
Alabama Grocers Association Scholarship (AUM)

**References**

Available upon request

**JOSHUA CALEB SEALES**  
crazyape5@yahoo.com

**Current Address:**

900 Hargrove Road #199  
Tuscaloosa, AL 35401  
(205) 910-7209

**Permanent Address:**

560 13<sup>th</sup> Street Southwest  
Alabaster, AL 35007  
(205) 663-0449

**OBJECTIVE**

To obtain a full time Electrical Engineering position, where I will be able to use my knowledge and ability in the field of Electrical Engineering.

**EDUCATION**

**The University of Alabama, Tuscaloosa, AL**  
Bachelors of Science degree in Electrical Engineering  
Expected Graduation Date: May 2004  
Grade Point Average: 3.826/4.0  
University of Alabama TIDE Program (2001-2002)

**University of Montevallo, Montevallo, AL**  
Pre-Engineering course work  
Fall 2000 – Spring 2001

**Courses Taken:** General Engineering Studies I & II (Matlab Programming), Introduction to Computer Programming (C++), Digital Computer Fundamentals, Electric Circuits, Signals and Systems, Electromagnetics, Microcomputers, Electric Networks, Electronics I & II, Electromechanics.

**DESIGN PROJECTS**

**Tennis Ball Launcher Design (Fall 2001)** – Used cardboard, glue, duck tape, string, rubber bands, and 16 penny nails to design a tennis ball launcher. The object of the design was to see how far the launcher could be shot and how accurate it was at hitting a target at an arbitrary distance.

**Parking Lot Design (Fall 2001)** – Took the layout of a parking lot for a business in Tuscaloosa, and designed a parking lot to accommodate eight motor homes and as many cars as possible.

**CNG Conversion Project (Fall 2001)** – Took one of our group members car's average miles per gallon in the city and on the highway, and converted the gasoline powered engine to a natural gas powered engine that could travel a certain distance on a mail route. The design of a compressed natural gas (CNG) tank that would be able to withstand the pressure for the amount of natural gas needed to complete the mail route was also required. A cost analysis was done to see how long the payback period would be to see if the cost of conversion would be worth the money spent.

**EXPERIENCE**

**Part-Time**, October 2002-Present, Phifer Wire Products, Inc., Tuscaloosa, Alabama  
Work with a process and controls engineer. Wire PLC's and other components of machines, map drive systems, write syt programs for AC drives, conduct some PLC programming, and wonderware application programming and development. The projects completed include wiring of an automated doffing cart experiment and writing a syt program for an AC drive to control the cart. Currently working on converting an Allen Bradley quick panel jr. touch screen to a WonderWare application, and modifying the PLC program. This will eliminate the use of two touch screens on one of the processes in the plant.

**COMPUTER SKILLS**

Microsoft Windows 3.1-X.P, Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft Outlook, Microsoft Internet Explorer, Netscape Navigator, Word Perfect, Microsoft Visual C++ 6.0, pcGRASP, Maple, Matlab, Max+PlusII, RSLogix, InTouch (WonderWare), Unisoft, SeSoft, Syt Editor.

## **HONORS/ACTIVITIES**

Golden Key International Honour Society

Eta Kappa Nu - Electrical Engineering Honor Society

- Recording Secretary (Fall 2003)

Tau Beta Pi - National Engineering Honor Society

National Society of Collegiate Scholars

Gamma Beta Phi Honor Society

Electrical Engineering Junior Meritorious Award

Institute of Electrical and Electronic Engineers Member

Deans List University of Alabama

University of Alabama Intramural Sports

Deans List University of Montevallo

# **TIM R. SHIRLEY**

812 5<sup>th</sup> Avenue, Tuscaloosa, AL, 35401

205 343-6912

[shirl014@bama.ua.edu](mailto:shirl014@bama.ua.edu)

## **OBJECTIVE**

To obtain a summer internship in the field(s) of Computer Engineering/Computer Science

## **EDUCATION**

### **Bachelor of Science: Electrical Engineering (Computer Engineering Option)**

University of Alabama, Tuscaloosa, AL

Expected Graduation Date: May 2004

GPA 3.4

Samford University, Birmingham, AL

3 Semesters

Courses Included: Mathematics, Computer Science, Spanish

GPA 3.5

## **WORK HISTORY**

8/2002- Present

University of Alabama Math Lab, Tuscaloosa, AL

Tutor for freshman level math (Pre-calculus, Infinite Mathematics, and Intermediate Algebra).

Summer 2002 University of Alabama English Language Institute Tuscaloosa, AL

External Programs Assistant to a Group of Japanese High School Students; involved helping international students learn English, driving students to different events, participating with them in numerous cultural activities

2/2000- 12/2002 Samford University, Birmingham, AL

Office Assistant to the Vice President of University Affairs; filed documents, answered phones, ran errands. Interacted with alumni, faculty, students, and peers.

5/98-8/99 Shocco Springs Conference Center, Talladega, AL

Grounds Crew Employee, performed lawn maintenance, maintained shop equipment, organized work tasks.

## **COMPUTER SKILLS**

- Computer Languages: C++(Very Familiar), Java, Microsoft Visual C++, MFC, Mat Lab, Assembly Language, VHDL
- Familiar with Programming in both Windows and Unix Environment
- MSWord, Excel, Powerpoint,

## **NATURAL LANGUAGES**

- 3 years of College Level Spanish
- Participated in a 5 week Study Abroad Program in Alcalá, Spain
- Near Fluent Spanish Reading/Writing Comprehension Level, Intermediate Conversation Level

## **SCHOOL & COMMUNITY ACTIVITIES**

- English Conversation Partner Program for International Students
- Member of Spanish Honor Society
- Volunteer Meals on Wheels Worker
- Active Member of Canterbury Episcopal Church (Tuscaloosa)
- Participate in Several 5k, 10k races

## **REFERENCES AVAILABLE UPON REQUEST**

## THANES SITTIVORAPONG

Current Address :  
1214 12th St Apt 48  
Tuscaloosa, AL 35401, USA  
(205) 752-3552  
thanessit@yahoo.com

Permanent Address :  
40/22 Chokchai 4, Ladphrao  
Bangkok 10230, Thailand  
(662) 538-1144  
(662) 530-5071

- Objective** To obtain an entry level position in the manufacturing industry with an emphasis in telecommunication systems and a future in engineering management.
- Education** **Master of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: May 2003  
Cumulative GPA 3.4/4.0  
Major: Telecommunications  
*Thesis: Developing Electronic Board for Signal Processing Control of MEMs Gyro*
- Bachelor of Engineering: Electrical Engineering**  
Chiang Mai University, Chiang Mai, Thailand  
Graduated: March 1998  
*Design Project: Automatic Height Adjustment Microphone*
- Experience** **Calibration Engineer**, December 1998 - October 1999  
Schmidt Scientific (Thailand) Ltd. Bangkok, Thailand  
Calibrated all test equipment and calibrator in area of T&M, MED, SCI department.  
Provided and Maintained ISO/IEC Guide 25 working standard in calibration laboratory. Conducted new calibration work instruction for new equipment types.  
Supported IT work for SBK and other works. Organized the documentations. Met and consulted with customers and international suppliers.
- Design Engineer**, August 1998 - October 1998  
Modular Power Ltd. Bangkok, Thailand  
Researched and contacted information for Kocart Factory. Met with sale representatives and clients.
- Computer** MS Office, MATLAB, Dos, Windows, Html, VHDL, Assembly Language
- Activities** **Graduate Teaching Assistance**, Spring 2001 – Spring 2003, Electrical and Computer Engineering, University of Alabama, Tuscaloosa, AL  
**Electrical Engineering Club, Chiang Mai University**, student member, Chiang Mai University, Chiang Mai, Thailand  
**1995 Engineering Show**, staff, music video photographer, Chiang Mai University, Chiang Mai, Thailand  
**Electrical Engineer Journal**, staff, the cover design, Chiang Mai University, Chiang Mai, Thailand  
**AutoModify Test**, the second place teamwork, Chiang Mai University, Chiang Mai, Thailand
- References** Available upon request

## ROBERT EDWARD SMITH

Permanent Address:  
380 Ashmore Circle  
Muscle Shoals, Alabama 35661  
(256) 446-9909

rob\_smith\_800@hotmail.com

**OBJECTIVE** An engineering position which focuses on energy market analysis or product design.

**EDUCATION** **Bachelor of Science: Electrical Engineering**, December 2002  
Minor: Mathematics  
*The University of Alabama*, Tuscaloosa, Alabama

**SKILLS** Computer: • Operating Systems – UNIX (Linux), Microsoft (Windows 98, NT, 2000 Pro)  
• Programming Languages – C++, Fortran 90, Pascal, Assembly Language  
• Applications – MATLAB, VHDL/Max+Plus II, PSpice, multiSIM, TextPad, SystemView, PowerWorld  
• Spreadsheets – MS Excel, Access  
• Internet– HTML, FTP, Telnet, Internet Explorer, Netscape

Language: Fluent in Spanish

**EXPERIENCE** **Engineering Technician**, May 2002 – August 2002  
*Federal Energy Regulatory Commission*, Washington, D.C.  
- Worked for the Chief Economic Advisor in the Office of Markets, Tariffs, and Rates  
- Researched and wrote a primer on standardized transmission service and wholesale electric market design  
- Developed examples for the purpose of explaining power flow, locational marginal pricing, and congestion costs  
- Participated in various training courses and meetings on Standard Market Design, energy markets, and energy auctions

**Office Assistant**, January 2002 – December 2002  
*Electrical and Computer Engineering Department, University of Alabama*, Tuscaloosa, AL  
- Assisted the Head of the Department with office duties  
- Sorted and delivered intra-campus mail

**PROJECTS** **Capstone Senior Power System Design Project**, *Power Generation and Distribution System Design*, Fall 2002  
- Goal was to design a system for a mock utility, which was the most economical while maintaining system reliability within given constraints  
- Prime objectives were to minimize both capital and operating costs  
- Generation mix was determined by utilizing the load duration curve of the new system  
- Constraints, including generator and line outages, were solved using DC and AC load flow analysis with several types of software

**Power System Analysis I**, *Power Flow Design Project*, Fall 2001  
- Objectives were to study the performance of a power system with 14 buses for various conditions and identify and implement practical solutions for various emergency conditions  
- Bus voltages that violated the rated maximum or minimum values were rectified by adding capacitors and changing transformer taps  
- Power flow violations were fixed by phase shifters, adding transmission lines to the system, or changing generation outputs

**Electro-mechanics**, *Single Phase Transformer Computer Program*, Summer 2001  
- Objectives were to write a C++ program to determine the equivalent circuit parameters given open circuit and closed circuit data  
- The transformer voltages and currents were calculated given the load KVA, voltage, and power factor.  
- The program calculated voltage regulation and transformer efficiency.

**ACTIVITIES/  
HONORS** Recipient of Charles P. Hayes Scholarship  
Recipient of American Legion Scholarship  
Inter-fraternity Council Judicial Board Member  
Inter-fraternity Council Rush Counselor  
Delta Tau Delta Fraternity Alumni Chairman  
Delta Tau Delta First-Vice President  
President of the Institute of Electrical and Electronics Engineers (University of Alabama Student Chapter)  
IEEE Student Branch President's Award  
IEEE Outstanding Junior Student Award  
SGA Outstanding Committee Member

**REFERENCES** Available upon request.

**WILLIAM SANATRA SMITH**

Current Address:  
2000 Monroe Place NE Apt. 4104  
Atlanta, Georgia 30324  
(404)288-3750  
Will\_smith93@hotmail.com

Permanent Address:  
4622 30<sup>th</sup> Ave East  
Tuscaloosa, Alabama 35405  
(205)556-0362

Current Security Clearance: Secret

- Education:**                   **Bachelors of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Graduation Date: August 12, 2002  
Cumulative GPA 2.6/4.0  
Design Project: Industrial Power Distribution System (Emphasis: Power Plants)
- Experience:**                   **Engineering Intern**, Spring 2000 to August 2002  
Kip Tyner Production, Television Broadcasting, Tuscaloosa, Alabama  
Operations and maintenance of all communications equipment such as  
microwave signals, video equipment, editing equipment, audio equipment,  
produce commercial spots, producer of live TV show, and public service  
announcement.
- Engineering Work Study**, Spring 2002  
The University of Alabama, College of Engineering, Tuscaloosa, Alabama  
Research and design of the most cost effective optimum mix power generation  
system, substation, and transmission systems. Wrote all technical reports  
which, provides all equipment specifications and society impacts.
- Engineering Co op**: Fall 1998 to Fall 1999  
BellSouth, BellSouth Telecommunications Group, Birmingham, Alabama  
Webmaster for the BellSouth homepage. Tested major software  
releases and provided updates/patches for hardware and software. Worked  
through current technical issues with vendors such as Hewlett Packard, Compaq,  
Dell, IBM, and Microsoft. Switched company computers mainframe  
through a Windows NT interface migration. Network and Proxy Administration.
- USAF Active, Guard/Reserve**: May 23, 1993 to Present  
As an aerial porter, I performed duties in the PAX Cargo terminal and ramp  
services. As a information manager performed such duties as: PC support,  
installing and resolving software and hardware issues. Installing computer,  
LAN system, and trouble shooting networks.
- Computers:**                   , MS-DOS, MS-WORD, EXCEL, ACCESS, WINDOWS NT,  
HTML, UNIX, C, C++, PERL, TELNET, FTP CLIENT, HARVARD  
GRAPHICS, FRONT PAGE, MATLAB, FORTRAN, VHDL, and PSpice.
- Leadership:**                   Institute of Electrical and Electronics Engineering (IEEE), National Society of  
Black Engineers (NSBE), Parental Resource Institute for Drug Education  
(PRIDE) **Board of Directors**, Tuscaloosa County Clean Community  
Commission **Board of Directors**, Volunteer United Cerebral Palsy of West  
Alabama, and two Air Force Achievement Medals.
- References:**                   Available upon request



# **WESLEY S. STEWART**

## **Current Address:**

732 13<sup>th</sup> Street

Tuscaloosa, Alabama 35401

(205) 248-0691

stewa073@bama.ua.edu

## **Permanent Address:**

2208 Hampstead Mews

Montgomery, Alabama 36117

(334) 356-3926

## **OBJECTIVE**

To acquire a summer intern position for summer 2003.

## **EDUCATION**

### **Bachelor of Science: Electrical Engineering**

The University of Alabama, Tuscaloosa, Alabama

Expected Graduation: May 2005

Cumulative GPA: 4.0

## **EXPERIENCE**

### **Engineering Internship, May 2002-August 2002**

Industrial Electrical Services, Inc., Montgomery, Alabama.

Collaborated on design of a Visual Basic program to run an industrial printer. Developed a C++ program to facilitate in the design of control systems for industrial purposes.

### **Lifeguard, May 2001-August 2001**

The Standard Club, Montgomery, Alabama.

Watched over patrons. Maintained the pool and deck area.

## **COMPUTERS**

C++, Visual Basic, Matlab, html, MS Office, Windows

## **HONORS/ACTIVITIES**

National Society of Collegiate Scholars

Alpha Lambda Delta

Electrical and Computer Engineering Sophomore Meritorious Award

Patterson Engineering Scholarship recipient

Waaime, Al-T/John W. Hager Endowed Scholarship recipient

Boeing Scholarship recipient

President's List

## **REFERENCES AVAILABLE UPON REQUEST**

# FREDERICK STUTTS, PE

1004 Banaba Court  
Indian Trail, North Carolina 28079  
704-893-2827 \* fredland757@netzero.net

## PROFILE

Results-oriented Systems Engineer, Design Engineer, and Manufacturing Engineer, with 6+ years of progressive and varied experience in manufacturing, project leadership, and engineering supervision. Licensed Professional Engineer, Six-Sigma Green Belt certified, and currently pursuing Black Belt certification. Former AUTOCAD instructor.

## TECHNICAL EXPERTISE

- Project Management
- Minitab 13
- Visio
- Visual Basic
- AUTOCAD 2000
- Microsoft Project 2002
- RSLogix (Allen Bradley PLC)
- Nuclear Facility Plant Support
- Industrial Power Distribution Analysis
- Line Supervisor Skills
- Technical Documentation and Training
- ISO/TL 9000 Experience
- Database Configuration
- Indramat and Pacific Scientific Drives/Motors

## PROFESSIONAL EXPERIENCE

**Corning, Incorporated**, Fiber Optics Manufacturing, Concord, NC,  
**Manufacturing Engineer**

2001 to 2003

*Primary owner and front-line engineering support for 20% of all equipment in the optical fiber draw process area. Resolved equipment issues through hands-on troubleshooting of electrical/mechanical systems in the bottleneck of plant operations, which required strong analytical abilities and the ability to make critical decisions quickly.*

- Led a \$1/2 million project to replace a carcinogenic solvent used in the extrusion die cleaning process. Generated the project scope documentation, detail budget, and appropriation request to secure project funding.
- Directed a 4 person, multi-disciplined engineering team in the debug and industrialization of a \$4 million fully automated, high-speed winding system prototype.
- Provided training to manufacturing and engineering personnel on maintenance and operation of process equipment, which lead to a 10% increase in equipment utilization.
- Applied the scientific method to determine the root cause of elevated coating losses during a process upset, which resulted in a \$40,000 annual cost saving.
- Responsible for technical support (on and off hours) by monitoring performance metrics, analyzing process data, and providing recommendations and action plans for engineering process upsets.
- Reduced off-hour calls by 15% through the calibrations of various instrumentation such as optical measurement equipment, O<sub>2</sub> sensors, load cells, and pressure transducers.
- Recognized as subject matter expert for 75kW induction heating power supply equipment as a result of knowledge gained through extensive self-directed studies and system project assignments.
- Performed extensive troubleshooting on PLC and SLC control systems, which helped maximize equipment runtime.

**United States Enrichment Corporation**, Uranium Enrichment, Piketon, OH  
**Electrical Design Engineer**

2000 to 2001

*Independently worked from project conception to project installation on a wide variety of small to large capital, continuous improvement projects. Designed solutions, procured necessary materials, and provided detailed reports per Nuclear Regulatory Commission requirements.*

- Developed material specifications and detailed budget estimates for a \$1,000,000 fire protection system project.
- Provided technical support for project design, installation and system operability testing per NEC, NRC, NFPA, IEEE, ANSI, and NEMA standards.
- Lead a 10-member multi-disciplined engineering assessment team in evaluation and enhancement of SOPs for existing and newly installed instrumentation and computing equipment.
- Supervised the installation of two industrial-size washers and one dryer to remove Uranium contamination from employees' uniforms. Performed load analysis calculations, project scope materials, and detailed material procurement list.

**Litton-Ingalls Shipbuilding, Naval Shipbuilding, Pascagoula, MS**  
**Electrical Systems Engineer**

1996 to 2000

*Provided engineering solutions for small to mid-size capital projects per MIL-SPEC requirements.*

*Primary duties included electrical design, database configuration, and system integration.*

- Re-designed and implemented a \$1/4 million control system for the AFFF (Aqueous Film Forming Foam) fire extinguishing system. Prepared project scope documentation, power/controls drawings, and material specifications. The project was completed on time and under budget.
- Lead engineer responsible for 400 Hz power distribution (to communication and combat systems) on Destroyer class ships.
- Managed 4 employees through the development of the Master Electrical Equipment Database for Destroyer class ships, which included database development/configuration, system documentation, training, and presentations for end-users, management, and navy personnel. Received a special recognition award.
- Prepared engineering change notes to implement design modifications per MIL-SPEC for shipboard systems.

#### **EDUCATION AND CERTIFICATIONS**

- University of South Alabama, Mobile, AL  
**BS Electrical Engineering, 1996**  
Concentration: Power and Control Systems
- North Carolina Registered Professional Engineer, 2003
- Engineer-In-Training, State of Alabama, 1997
- Six-Sigma Green Belt Certification
- DOE "L" Security Clearance

#### **ORGANIZATIONS**

- National Society of Professional Engineers (NSPE)
- Professional Engineers of North Carolina (PENC)
- National Society of Black Engineers (NSBE)
- Institute of Electrical and Electronic Engineers (IEEE)

**Current Address**

Nugent, 310  
RPI Residence  
1999 Burdett Avenue  
Troy, NY 12180  
(518) 276-7242

**Himani Suhag**

*suhagh@rpi.edu*

**Permanent Address**

237 West 3<sup>rd</sup> St.  
Clifton, NJ 07011  
(973) 478-6313

**OBJECTIVE**

To obtain a full-time summer 2004 internship that will further develop my skills in the field of Electrical and Computer Engineering.

**EDUCATION**

**Rensselaer Polytechnic Institute**, Troy, NY May 2006  
Bachelor of Science: Electrical and Computer Systems Engineering (dual major) GPA: 4.0/4.0

**Relevant Coursework:**

**Computer Components and Operations:** A design-oriented introduction to standard codes, number systems, base conversions, computer arithmetic, Boolean algebra, combinational and sequential logic, races, hazards, registers, memory structure, buses, control units, machine language programming, and input-output devices.

**Introduction to Engineering Electronics:** Hands-on experience with electronic circuits and laboratory instrumentation. Learned to build and test electronic circuits that illustrate basic concepts, and complete a design project.

**PROJECTS**

**Engineering Graphics and CAD:** This course featured a semester-long project whose intent was to create isometric and orthographic free-hand sketches, three-dimensional modeling of the parts and assemblies, and computer-generated design documentation of an electronic pencil sharpener in full detail.

**Embedded Control:** A semester-long project assigned to teams of two students to develop software and hardware components to control the functions of a Motorola 68HC11 8-bit microprocessor. The purpose of the project was to develop an integrated embedded control system and understand how these systems are incorporated into typical consumer products.

**Center for Subsurface Sensing and Imaging Systems (CenSSIS Scholars Program):** Undergraduate research focused in understanding and exploring subsurface imaging. Working as a team to research and create presentations and designs regarding possible museum exhibits aimed at educating children about subsurface sensing.

**EXPERIENCE**

**Guilford Mills**, Cobleskill, NY Summers 1999, 2001

Data Entry Clerk in Accounting Department

Duties included filing, data entry, billing, inventory, processing purchase orders, answering phone calls, creating reports

**The Community Library**, Cobleskill, NY August 1999 – June 2001

Library Page

Duties included shelving books, processing book orders, staffing checkout desk, organizing summer reading programs, assisting Director

**Bassett Hospital**, Cobleskill, NY Summer, 2000

Receptionist in Medical Imaging Center

Duties included filing, answering phone calls, handling paperwork, checking in patients

**LEADERSHIP**

Residence Hall Council Secretary, Mentor for Women at Rensselaer Mentoring Program, Dorm Captain for residence hall, Ambassador for Career Fair

**ACTIVITIES**

Women at Rensselaer Mentor Program, Society of Women Engineers, Indian Student Association, Cultural Pride Day Participant, Residence Hall Association, Habitat for Humanity

**RELEVANT**

Programming Languages: C/C++

**SKILLS**

Windows environment, Software/Applications: Solid Works CAD, Maple, Microsoft Office, Logger Pro, Video Point, Microsoft Visual Studio .NET

## Pamela Nicole Tisdale

ptisdale@hotmail.com  
6250 College Pkwy  
Pensacola, FL 32504  
(850) 478-8207

### OBJECTIVE

position in the engineering industry that will provide opportunities for growth, and life-long learning.

To obtain a leadership,

### EDUCATION

#### **Bachelor of Science: Electrical Engineering, Computer Engineering Option**

The University of Alabama (UofA), Tuscaloosa, Alabama

Expected Graduation: December 2003

Cumulative GPA: 2.5, Major

GPA: 3.0

#### **Associate of Applied Science: Computer Information Systems**

Jefferson State Community College (JSCC), Birmingham, Alabama

Graduated: May 2000

Cumulative GPA: 3.75

### EXPERIENCE

#### **Tutor**

August 2000 - August

2003

University of Alabama, Center for Teaching and Learning, Tuscaloosa, Alabama

- Tutored University students in Basic and Advanced C++, HTML, Web Page Development, C Unix Programming, Cobol, Javascript, Basic Computer Skills, Mathematics, and Accounting
- Utilized software packages such as Microsoft Visual C++, Microsoft Visual Studio .Net, Microsoft FrontPage, MicroFocus Cobol, Microsoft Word, Excel, Access, and Powerpoint

#### **Computer Technician**

June 2000 - August

2000

Kelly Temporary Services, Pensacola, Florida

- Maintained and provided computer technician support for office computers
- Provided clerical support to office staff by entering accounts payable information into computer system and answering telephones
- Installed computer software and provided troubleshooting assistance

#### **Tutor**

August 1999 - May

2000

Jefferson State Community College, Student Support Services, Birmingham, Alabama

- Developed application in Microsoft Visual Basic to track inventory items, which increased the efficiency of the department

- Tutored students in Visual Basic, C++, Cobol, Java, and Basic Computer Skills, utilizing software packages such as Microsoft Visual Basic, Microsoft Visual C++, MicroFocus Cobol, Sun Java, and Microsoft Office

#### **Computer Technician**

July 1997 - August 1999

Management Data Inc., Birmingham, Alabama

- Assisted in the technical support of company computers on the Windows 95-98 operating system and assisted network administrator in maintenance of Windows NT and Novell network
- Analyzed and reviewed programmer code, and fixed errors which arose in release of client projects
- Updated and maintained Microsoft Access database which tracked client projects
- Created application in Microsoft Access for tracking client and project specific documents
- Reviewed and Edited analysis and specification documents
- Responsible for creating user help manuals out of testing documents and updating help documentation software accordingly, and provided client help-desk support

### **COMPUTERS**

#### ***Operating Systems:***

Windows XP/2000/NT/1998/1995, Unix, Dos, Windows NT Network, Novell Network

#### ***Programming Languages:***

C/C++/C#, HTML, Assembly Language, VHDL, HTML, COBOL, Visual Basic, Java, UML, APPX, SQL, Basic

#### ***Applications:***

Microsoft Word, Excel, Access, Powerpoint, Pspice, Matlab, Maple, Microsoft FrontPage, Rational Rose, Microsoft Visual Basic, Microsoft Visual C++, Visual Studio .Net, Microsoft Project, Max+Plus II Altera, Electronic Workbench, Reads51 Assembly Language Compiler, MS Internet Explorer, Netscape, Visio, Oracle, Microsoft Publisher, Robohelp

### **HONORS/ACTIVITIES**

Eta Kappa Nu Engineering Honor Society, Eta Kappa Nu Treasurer, NSBE, IEEE, African American Gospel Choir, Phi Theta Kappa International Honor Society, Phi Theta Kappa Chapter President, Computer Science Award, Who's Who Among Students in American Junior Colleges, Fitzgerald Award for Outstanding Student

# CLAYTON R. WILLIAMS

willi173@bama.ua.edu

3504 1<sup>st</sup> Court  
Tuscaloosa, AL 35405  
(205) 349-3692

## OBJECTIVE

To obtain an entry-level position in electrical engineering, or a related discipline, which will cultivate the knowledge I have acquired through education and work experience.

## EDUCATION

### **Bachelor of Science, Electrical Engineering**

Minor: Mathematics

The University of Alabama, Tuscaloosa, AL

December, 2002

EE GPA – 3.55 / Cumulative GPA – 3.32

Passed Fundamentals of Engineering Exam, Fall 2001

## EXPERIENCE

Aug. 2002 – Present

The University of Alabama

### **Tutor, Student Support Services**

Tuscaloosa, AL

Individual tutoring sessions with at-risk students

Tutored introductory economics, calculus sequence and electronics

June 2002 – Aug. 2002

The University of Alabama

### **McNair Internship**

Tuscaloosa, AL

Worked closely with electrical engineering faculty member on research topic of my own choosing, linear time-varying systems. Specifically I utilized perturbative analysis techniques to model the dynamics of first and second-order differential equations with non-constant coefficients.

Gave oral presentation of findings at Penn State and The University of Alabama. Additionally, exhibited a poster presentation in Wisconsin

Produced research paper of project results; to be published spring 2003.

Jan. 2000 – March 2001

The University of Alabama

### **Law School Computer Assistant**

Tuscaloosa, AL

Served as consultant to students and faculty for law library computers

Maintained and performed upgrades of computers

## COMPUTER SKILLS

Windows NT/2000, MATLAB, C++, TEX; MS Word, Excel, PowerPoint and Access

## HONORS & AFFILIATIONS

University of Alabama SREB Conference Representative

Ronald E. McNair Scholar

Circle K

Eta Kappa Nu, Vice-President – Electrical Engineering Honorary

SGA Student Affairs Committee

Capstone Investment Club, Junior Advisor

IEEE

REFERENCES AVAILABLE UPON REQUEST

# DAVIS WILLIAMS, JR.

E-Mail: [williams\\_engineer@yahoo.com](mailto:williams_engineer@yahoo.com)

## **Contact/ Mailing Address:**

18108 Deer Trail  
Alpharetta, Georgia 30004  
Phone: (770) 751-8501

## **Residential Address:**

1414 Chisholm Road Apt #12  
Florence, Alabama 35630  
Phone: (256) 710-5765

## **DIVERSE PROFESSIONAL TRAINING:**

**Allen Bradley:** Custom PLC's, Maintenance and Troubleshooting with 1785-PLC-5  
System Using RSLogix5 Software

**General Electric:** Cimplicity Plant Edition HMI Version 6.0, LogicMaster 90-70

**Parsec:** HP OpenVMS Fundamentals

## **EXTENSIVE EXPERIENCE WITH:**

**Allen Bradley:** PLC-5, Slick 500, Control Logix, Panelview

**General Electric:** LogicMaster 90-70 and Series 6 PLC's, AC and DC drives and motors, Cimplicity

**Siemens:** AC and DC drives

## **COMPUTER EXPERIENCE:**

**Languages:** FORTRAN, Assembly, C + in Unix, C in Dos

**Operating Environments:** DOS, Windows 97, Windows 2000, and Windows NT

**Software Usage:** Microsoft Office Suite, Microsoft Visio, Internet Tools, Microsoft Project, Mat-Lab

## **WELL ROUNDED FORMAL TRAINING:**

Bachelor of Science Degree  
Major: **Electrical Engineering**  
University of Alabama

May 2001

Tuscaloosa, Alabama

## **PROFESSIONAL EXPERIENCE:**

**Casting Electrical Engineer**

**Wise Alloys, LLC**

Muscle Shoals, Alabama

June 2001 - Present

- Provide engineering coverage for Casting and Re-heat areas of aluminum plant
- Assisted area electricians in routine maintenance and malfunctions of casting and Re-heat equipment
- Maintained records of equipment back-ups (Vax's, PLC's, HMI)
- Upgraded human machine interface (HMI) terminals from Allen-Bradley T-30 terminals to Panelviews 1400E's
- Installed upgraded PH Monitoring System for Casting Chlorine System
- Upgraded Scalper system for ingots from G.E. Series Six to LogicMaster 90-70 control system

Looking to relocate  
Willing to travel

*References are available upon request*



# **DAVIS WILLIAMS, JR.**

E-Mail: [williams\\_engineer@yahoo.com](mailto:williams_engineer@yahoo.com)

- Modified HMI interfaces using Allen-Bradley Panelview software.
- Worked in conjunction with IT department to enhance and streamline incoming process information from casting department
- Computerize substation /transformer distribution information.
- Worked in conjunction with IT department to enhance and streamline incoming process information from casting department
- Chief Project Electrical Engineer for the design and fabrication of a new facility to Scrap Rewind facility
  - Developed blueprints for electrical design of the facility
  - Lead electrical contractors in the development of the facility
  - Ordered and maintained inventory for scrap rewind facility
  - Developed and maintained timeline for completion of facility
  - Acted as an informant to the plant electrical engineer on contractor's man-hours; assigned overtime if needed
  - Keep daily cost log of project expenditures for Plant Electrical Engineer

## **Computer Lab Consultant**

### **University of Alabama, Arts and Sciences Department**

Tuscaloosa, Alabama

August 1998 - May 2000

- Aided in the operations of six computer labs on campus
- Schedules sessions between open lab times and lab class meetings
- Advises students on software usage and manipulation of files

## **Electrical Engineering Intern**

### **Wolverine Tube Incorporated**

Decatur, Alabama

June 1999 - August 1999

- Assisted in design and maintenance of a preventive maintenance database for machine downtime obsolete Auto-Cad files and created new prints from usable machine parts
- Scanned machine blueprints into computer files and organized onto company's server

## **Computer Technician Assistant**

### **United States Steel Corporation**

Birmingham, Alabama

August 1996 - December 1996

- Converted plant's blueprints from paper to Auto-Cad files
- Extended computer services to developing parts of the steel plant

Looking to relocate  
Willing to travel

*References are available upon request*

# JERRALL WILLIAMS

jerrallwilliams@hotmail.com

Current Address:  
2201 48<sup>th</sup> St. E. Apt. 624  
Tuscaloosa, AL 35405  
(205) 462-2155

Permanent Address:  
P.O. Box 599  
Livingston, AL 35470  
(205) 652-6560

---

## **EDUCATION**

**Bachelor of Science: Computer Science**  
The University of Alabama, Tuscaloosa, AL  
Expected Graduation: May, 2005

**Bachelor of Science: Electrical Engineering**  
The University of Alabama at Birmingham (UAB), Birmingham, AL  
Graduated: May 2002  
Cumulative GPA: 2.86/4.0  
*Design Project: Graphical User Interface Scoreboard System*  
Passed Fundamentals of Engineering Exam, 2002

## **EXPERIENCE**

**Work-Study Assistant**, September 1997- October 2001  
UAB Department of Nutrition Science, Birmingham, AL

- Performed various administrative functions - Researched and copied articles
- Distributed mail - Ran errands - Distributed checks and grants
- Performed tasks with efficiency, accuracy, and attention to detail

**Computer Support Specialist Consultant**, April 26-28 2002  
Morrow Company, Tuscaloosa, AL

- Installed and configured Microsoft Windows XP Professional Operating System onto personal computers
- Software Installation and troubleshooting of the following programs: Microsoft XP Office Suite, Norton Anti-Virus, Windows Updates, and WinZip
- Configured Microsoft Outlook XP onto multiple client machines
- Installed and perform troubleshooting on personal computers hardware components
- Assigned internet protocol addresses to client machines on a network
- Joined personal computers to network domain
- Personalized Outlook XP, internet explorer, and accounting software to match the correct user profiles
- Configured client machines to connect to network and personal printers

**Personal Project**, February 2001-Current

- Designed and developed web pages (example located at <http://www15.brinkster.com/swaredoc/Most>)
- Designed and developed Active Server Page (ASP) and ASP.NET Pages (example located at <http://www15.brinkster.com/swaredoc>)
- Developed ASP to retrieve data from Microsoft database using Jscript and SQL language
- Maintained own personal Window 2000 server network
- Designed and developed VB programs that allow user to retrieve, update, and view data from Access database (example located at <http://www15.brinkster.com/swaredoc/portfolio.aspx>)

**UAB Senior Design Project**, August 2001 – May 2002  
Software Developer on Software Team

- Developed Graphical User Interface (GUI) for Senior Design scoreboard system using Visual Basic
- Developed code, test, and debug scoreboard using Visual Basic
- Performed technical functions requiring extensive electrical and computer engineering skill

## **Computer Skills**

- C, Java, Visual Basic, .NET, ASP, ASP.NET, HTML, SQL, P-Spice, MathLab, Microsoft Windows, Computer Installation and troubleshooting (hardware and software), MS Office Suite, MS Visual Studio 6.0, MS Visual Studio.NET

## **Honor/Activities**

- National Society of Black Engineers
- Tutor in Mathematics and Electrical Circuits
- Dean's List
- Volunteer for Engineering Department Open House event

## **BRIAN C. WILSON**

### **Current Address:**

P.O. Box 862535

Tuscaloosa, Alabama 35486

(205) 347-8047

crimsonisland@hotmail.com

### **Permanent Address:**

160 Marlborough Street

Montgomery, Alabama 36109

(334) 274-1371

### **Objective**

To obtain an entry level position in the computer engineering industry with an emphasis in circuit design and a future in engineering management.

### **Education**

#### **Bachelor of Science: Electrical Engineering with Computer Engineering Option**

The University of Alabama, Tuscaloosa, Alabama

Expected Graduation: May 2003

### **Experience**

**Computer Lab Assistant**, August 2000-Present (While in school.)  
University of Alabama, Arts and Sciences Computer Labs,  
Tuscaloosa, Alabama

Open and close labs. Maintained working order of printers and notified computer services when necessary. Instruct students on basic computer functions with Internet Explorer, Microsoft Word, PowerPoint, Excel, and other Windows related programs.

#### **Warehouse Worker**, Summer 2001

VisionLand Amusement Park, Bessemer, Alabama

Received in deliveries from vendors outside the park. Organized the warehouse using pallet jacks and a forklift. Use other vehicles to carry and deliver supplies to shops and food stands in the park.

#### **Cutting Specialist**, Summer 2000

Mac Strippers, Montgomery, Alabama

Assisted in movement of large pieces of metal using forklift. Made precision cuts of metal to be used by road striping trucks using special saws and cutting torches.

#### **Customer Assistant**, Summer 2000

Winn-Dixie, Montgomery, Alabama

Assisted customers with locating items and with purchases. Maintained buggies in store and parking lot. Helped with store cleanup.

### **Computer Skills**

C++, Windows 95-XP, HTML, JAVA, Matlab, Microsoft Word, Excel, PowerPoint, FrontPage, OpenGL, Visual Basic, VHDL, Microsoft Visual Studio, Altera, Assembly Language

### **Extracurricular**

Institute of Electrical and Electronics Engineers  
Mallet Assembly Men's Honors Residence, Sports Chairman,  
Maintenance Monitor, Systems Operator

### **References**

Available upon request

## **Kristin L. Wilson**

3225 Woodland Park Dr. Apt 1313  
Houston, TX 77082  
713-498-0177  
yankeetexan@ieee.org

### **Objective:**

To acquire a hands on position that would expand my knowledge of the world and draw on my various skills in a challenging environment with opportunities to travel and advance into management.

### **Education:**

University of Alabama, Tuscaloosa, AL  
Bachelor of Science in Electrical Engineering  
Graduated: December 2001

Special Project: NASA Spring Load Exercise Device in zero Gravity Environment (S.L.E.D.G.E.), Houston, TX. Designed and built a machine to exercise the lower half of the body while experiencing zero-gravity conditions. The machine was tested on a KC-135 airplane, which simulates micro-gravity.

Special Project: I.E.E.E. Car Project, Tuscaloosa, AL. Designed and built a fully automated robot which collecting balls and sensed a white line on a black track. The ball mechanism captures up to two balls and empties them into a bin on the track.

### **Work Experience:**

#### **Seismic Field Engineer, Schlumberger/WesternGeco, Houston, Texas, March 2002 to Present.**

Work on international assignments acquiring and processing seismic data in field and office environments. Trained in Norway for 4 weeks. Acquired data near the Dubai – Sharjah border in the United Arab Emirates and Gulf of Mexico on the Geco Tau for 6 weeks each. Fire Fighting, Marine Survival, First Aid, CPR, Basic Management, Defensive Driving, Dynamite Explosive Intro, and Helicopter Underwater Egress are a few of the skills I learned.

#### **Engineering Intern, Georgia Power, Atlanta, Georgia, Summer 2000 and 2001.**

Distribution Centralized Design DOT Group. Worked with the engineers on road projects redesigning the distribution lines. Concentrated on road widening for the city, county, and state. Met with engineers from MediaOne, BellSouth, and others to coordinate movement on lines from one pole to the next. Summer 2001 worked in the Gwinnett County Marketing Group acquiring new clients for Georgia Power.

#### **Engineering Co-op, AdTran, Huntsville, Alabama, Summer 1997 to Fall 1999.**

Worked in ISDN Product Qualification and ISDN Design testing new or revised products for compatibility. Qualified new units and worked with focus group in CPE ISDN Product Qualification Fall 1998. Worked in Phoenix, AZ with Fiber Optics Group.

### **Computer Knowledge:**

IBM, Windows, Macintosh, UNIX, Computer Drafting Applications, Microsoft Office, Numerically Controlled Machine Tool, Internet, Maple, MatLab, E-mail, Omega, LabView

### **Activities and Honors:**

Institute of Electrical and Electronics Engineers: Vice-President '00 and Outstanding Senior Award, GOLD Program '02 and '03.

Society of Women Engineers: Committee Chair for Girl Scout Engineering Day '98, '99, '00 and '01, Engineering, Executive Council Representative, Regional D Conference Volunteer '98, Explorers (Boy Scouts of America), Member of the Month, National Conference '99, '00, Regional Conference '98, '99, and '00 and Girl Scouts USA Task Force '01 and '02.

Girl Scouts: Buffalo Service Unit Committee Member and Photographer '02 and '03, Backpacking Committee '02 and '03, SPURS '02 and '03, Gold Award, Campus Girls Scouts: President '00, Treasurer '99, Character First Program, Climbing/Rappelling Program, and Holiday Tea.

University Intramural Sports: Softball, Bowling, Flag Football, Volleyball, and Soccer.

Women's Honor Program: Honorary Member.

# JONNIE LYNN YAPTENGCO

4900 SOUTHFORK RANCH DRIVE  
ORLANDO, FLORIDA 32812  
I4GOT@CFL.RR.COM  
(407) 928-8247

## OBJECTIVE

---

To obtain a co-op or internship position in electrical engineering.

## EDUCATION

---

2002-Present	University of Central Florida ▪ Major: Electrical Engineering ▪ Class Standing: Sophomore  ▪ Dean's List GPA: 4.0/4.0	Orlando, FL
1998-2002	William R. Boone High School ▪ Valedictorian of graduating class	Orlando, FL

## EXPERIENCE

---

2000- Present	Universal Studios Islands of Adventure <i>Ride Operator at The Amazing Adventures of Spiderman ride</i>  ▪ Operates the most technologically advanced ride. ▪ Deals with a countless number of people per day.	Orlando, FL
Present	Blessed Trinity Catholic Church <i>Music Librarian</i>  ▪ File and organize a myriad of sheet music ▪ Document music by name, artist, publisher, etc.	Orlando, FL

## OTHER QUALIFICATIONS

---

- Served as Vice President (11<sup>th</sup> grade), and President (12<sup>th</sup> Grade) of the National Beta Honor Society (organization based on community service)
- National Honor Society
- *Mu Alpha Theta* (Math Honor Society 12<sup>th</sup> grade)
- Church Youth Leader at Blessed Trinity Catholic Church – leads various religious class activities, plans youth group events, plans and carries out retreats
- The National Society of Collegiate Scholars – member
- Publicity Chair – Society of Women Engineers

## ANTON L. YOUNG

Current Address:  
2501 15<sup>th</sup> St. E Apt. 624  
Tuscaloosa, AL 35404  
(205) 553-5306  
[young004@bama.ua.edu](mailto:young004@bama.ua.edu)

Permanent Address:  
1004 Florence Ave.  
Muscle Shoals, AL 35661  
(256) 381-7052

- Objective** To obtain an entry-level position in the field of Electrical Engineering.
- Education** **Bachelor of Science: Electrical Engineering**  
The University of Alabama, Tuscaloosa, Alabama  
Expected Graduation: May 2003  
Cumulative GPA: 2.3/4.0 (based on plus/minus system)  
*Design Project: Design of Generation and Power Transmission System.*
- Experience** **Engineering Co-op, Alternating Semesters (August 2000 – May 2003)**  
Mercedes Benz U.S. International.  
Process Engineering, BodyShop, Vance, Alabama. Developed PLC logic enabling robots to shoot firewall studs on manual transmission vehicles. Configured MMI (Man-Machine Interfaces) in the case that transmission data needed forcing into appropriate holding registers. Coordinated project of installing computer vision system to read data from cars, create FIFO stacks, and send data to an automated Sail Rail system. Modified electrical drawings to reflect any physical changes made to equipment or wiring panels. Installed photo-eye sensors to error-proof crash bars in doors sent from supplier. Maintained department budget and attained Asst. Manager's approval on all purchases.
- Engineering Co-op, (Spring 2000)**  
NTN-Bower Corporation. Process Engineering, Cone Grind, Hamilton, AL.  
Acquired proficient utilization of AutoCAD. Created drafts for the in-house manufacture of many tooling. Performed tolerance studies of roller bearings to ensure compliance with standards.
- Maintenance Assistant, Summer 2002**  
University Commons Apartments, Tuscaloosa, Alabama. Repaired lights, switches, and other residential components as needed. Assisted maintenance crew with annual cleanup and performed maintenance checks in all units.
- Electrician Assistant, Summer 1996**  
Jeffie R. Boddie, Independent Electrician. Attained knowledge of basic electrical circuitry. Assisted with installing all receptacles, underground wiring, and access to external power supply.
- Computer** C++, AutoCAD, Assembly Language, FORTRAN, Windows, Excel, Word, PowerPoint, Access
- Activities** University of Alabama Football Non-Scholarship Player (Spring 1998 – Summer 1999)  
Institute of Electrical & Electronics Engineers (Fall 2001-Spring 2003)  
National Society of Professional Engineers (Fall 1999 – Spring 2003)
- References** Available Upon Request